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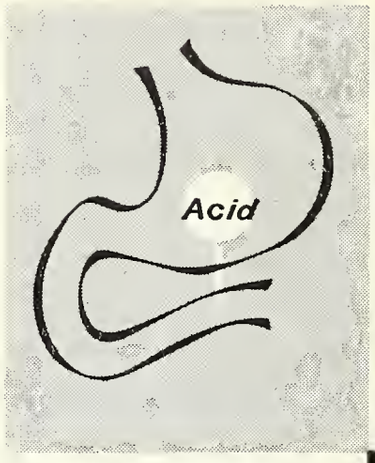
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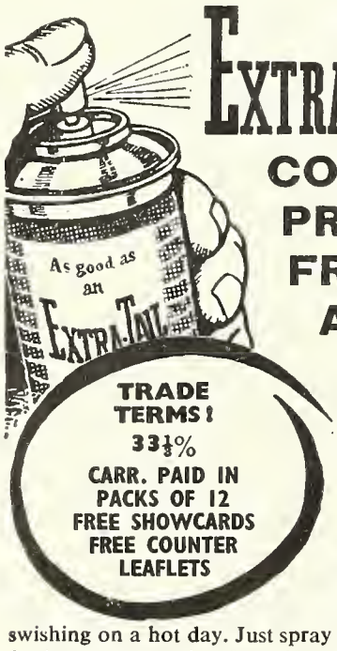
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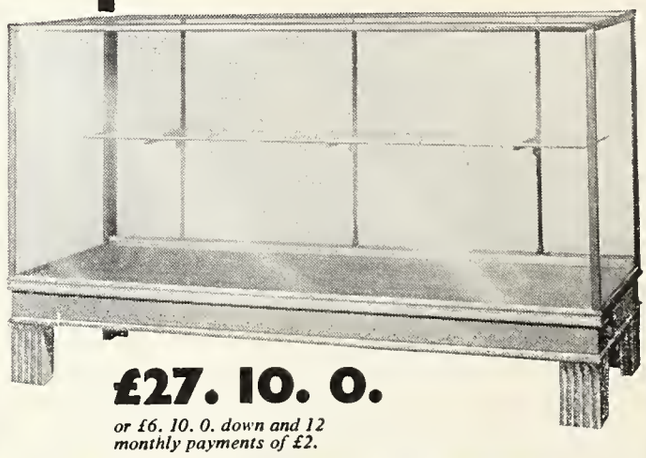
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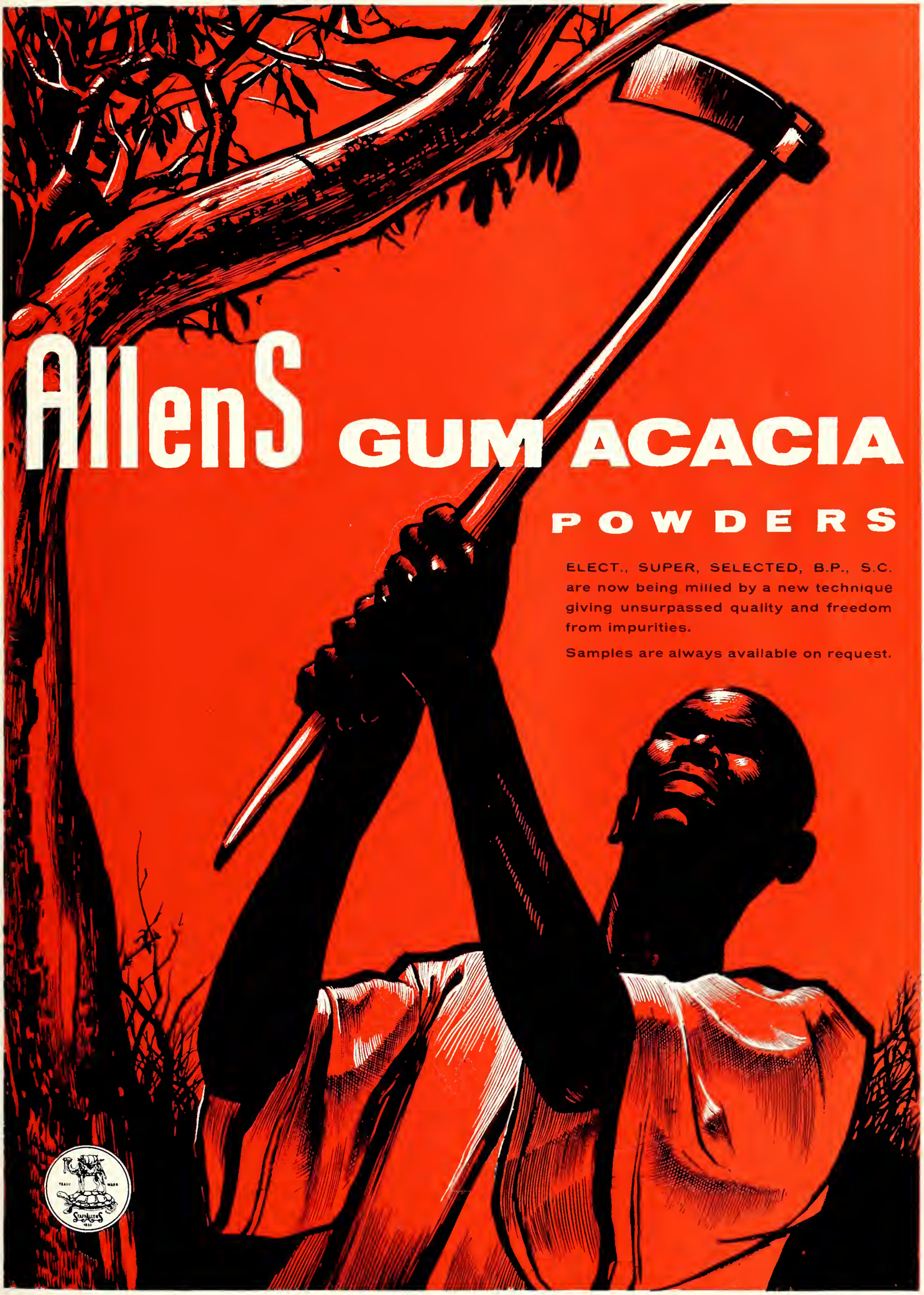
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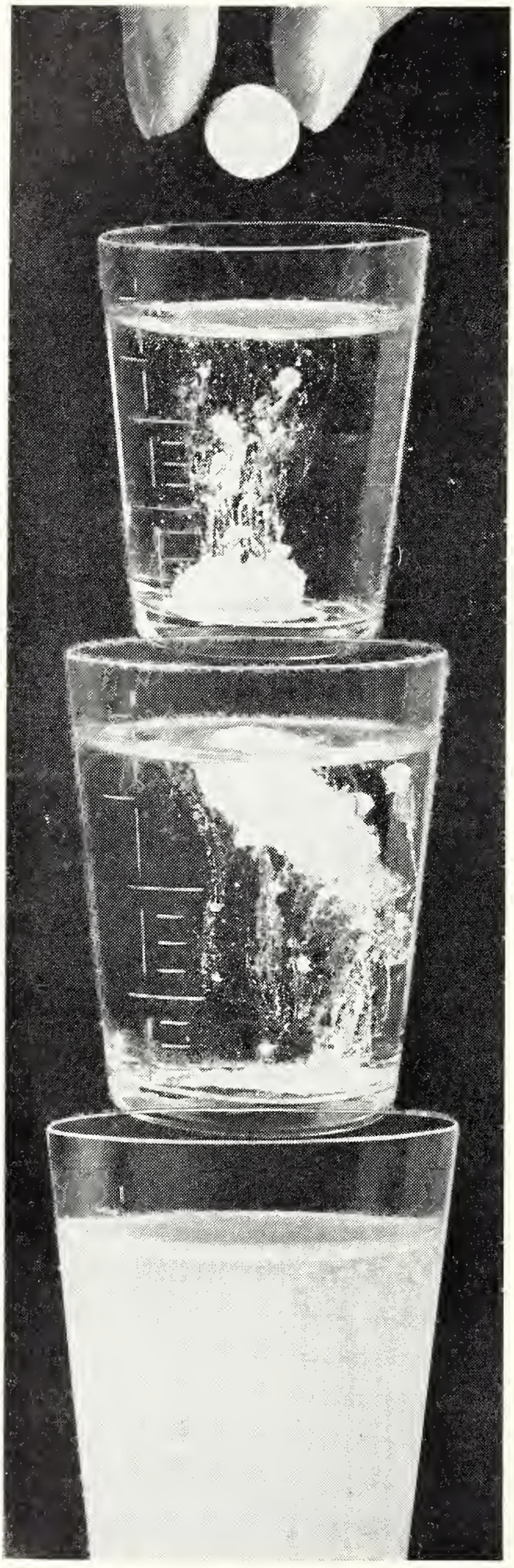
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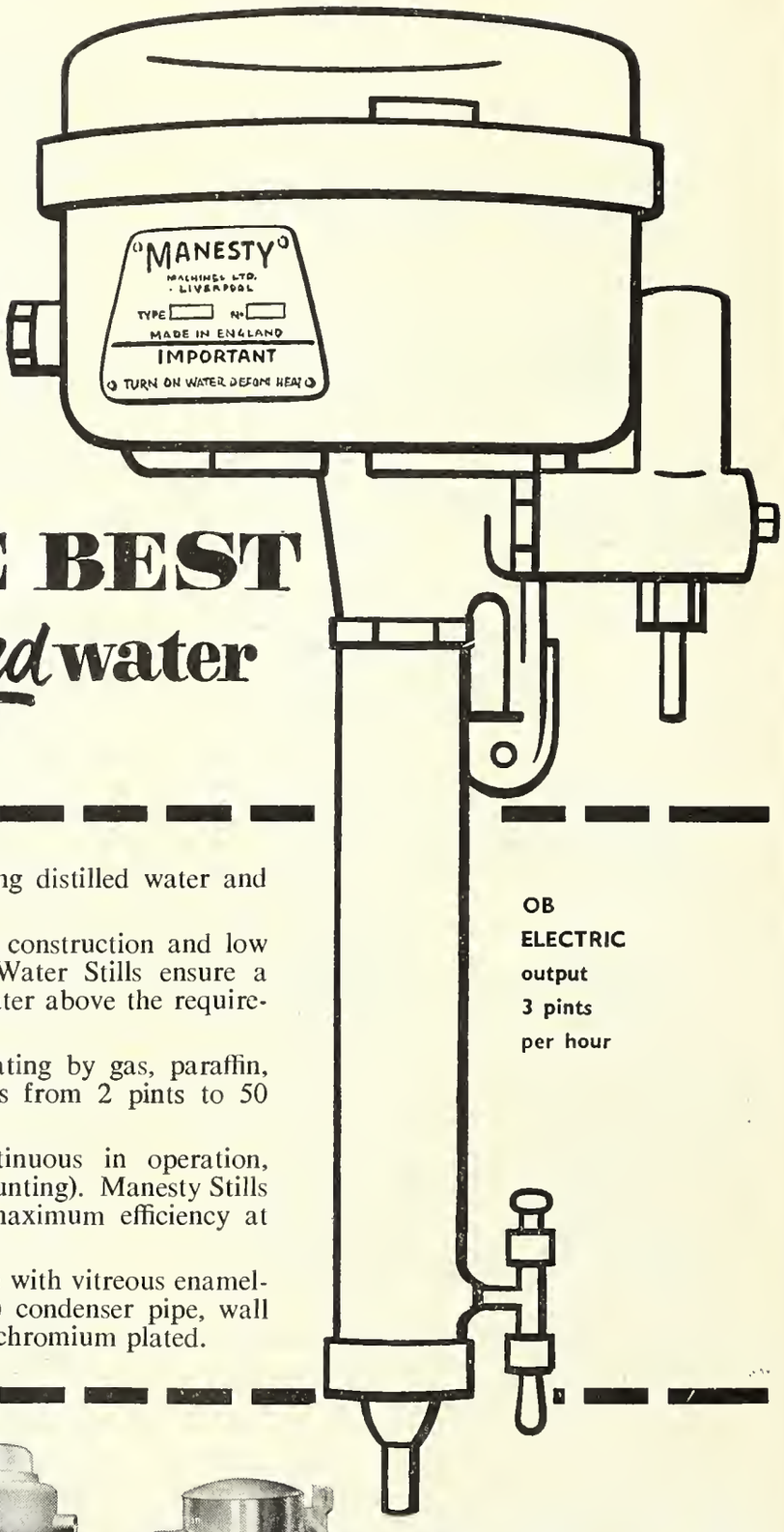
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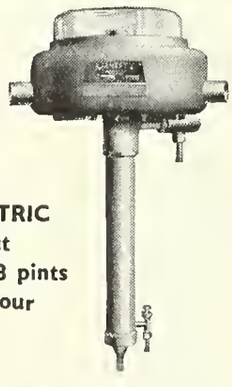
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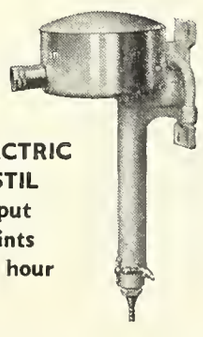
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3 pints
per hour



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50 gallons
per hour



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output
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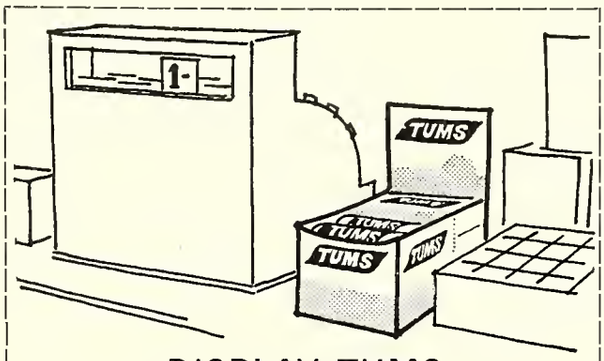
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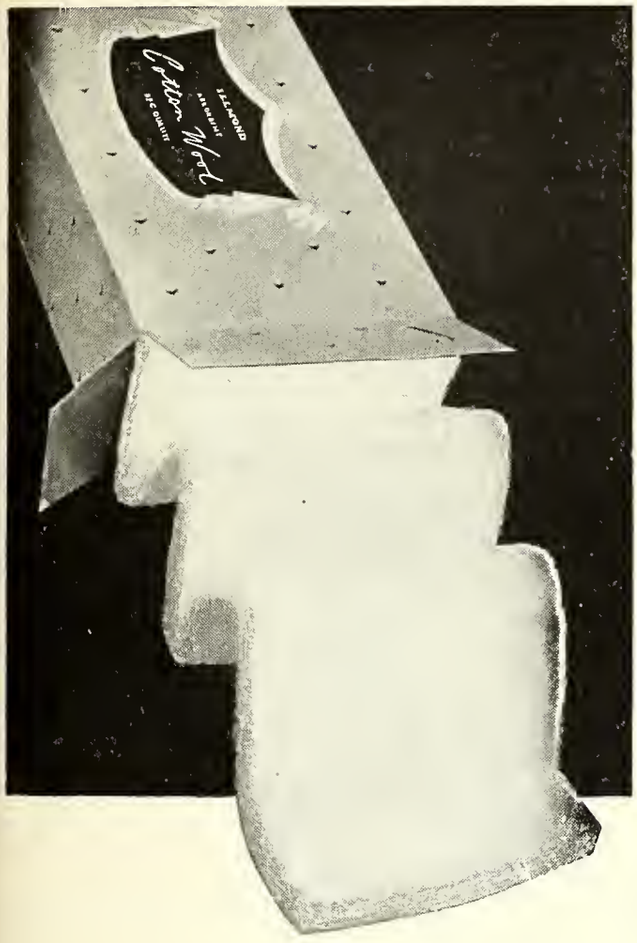
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ESTABLISHED 1859

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Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 176 July 8, 1961 No. 4247

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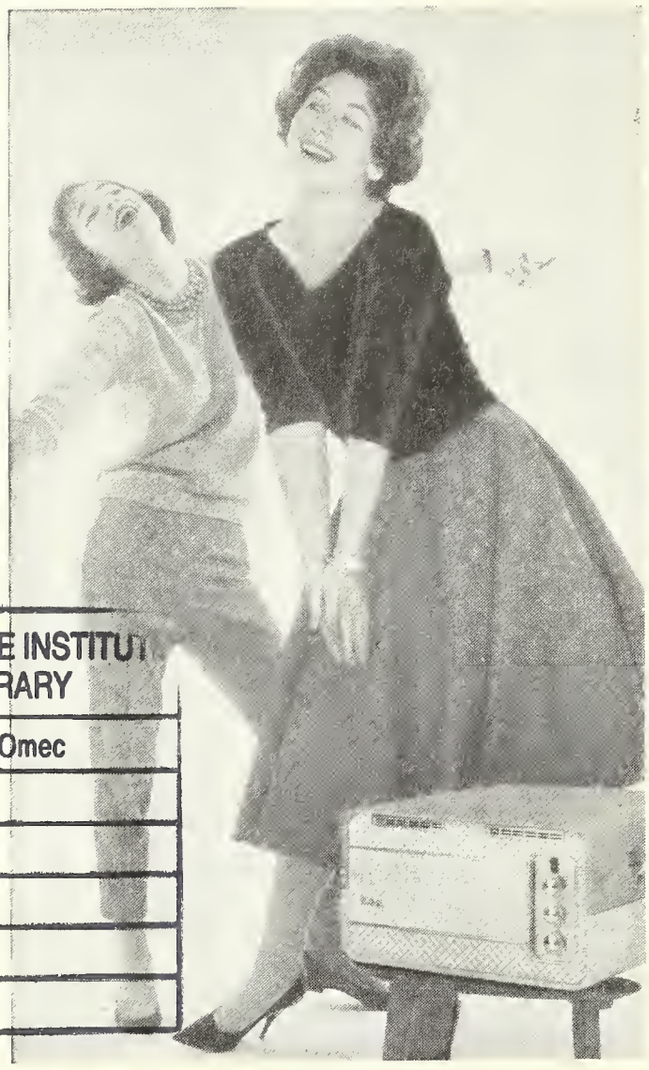
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The CHEMIST AND DRUGGIST

Volume 176 JULY 8, 1961 No. 4247

Contractors and the Minister

NEGOTIATORS REPORT BACK TO MEMBERS

SECRETARIES of Pharmaceutical Committees and Branches of the National Pharmaceutical Union have received from the acting secretary a memorandum giving an account of what took place in interviews with the Minister and the Department on June 27.

The statement reports that representatives of the Central N.H.S. and National Pharmaceutical Union Executive Committees met senior officials of the Ministry of Health on June 27 for an exploratory talk about the basis on which the claim for increased remuneration had been put forward. At the outset Mr. Marre (who was in the chair) pointed out that the Ministry had to satisfy themselves and the Public Accounts Committee of the House of Commons that N.H.S. remuneration was fair to the Exchequer and to the chemist; he then tried to lead the discussion in a way that could have resulted in the committees' agreeing to proceed to prove a case in detail once again. The chairman of the Central N.H.S. Committee and the chairman of the N.P.U. Executive Committee reminded Mr. Marre of the decision taken at the Pharmaceutical Committee Conference, and suggested that the Ministry should put to the Committee in writing the questions they wished to ask about the claim. Mr. Marre agreed to adopt that course.

Discussions with Minister

Representatives of the Central N.H.S. and N.P.U. Executive Committees, together with the secretary and registrar of the Pharmaceutical Society, were received by the Minister of Health on June 27. The Minister opened the discussion by stating that nothing that he had said in the past, or would say in the future, should be regarded as altering or seeking to alter in any way the professional responsibility of the pharmacist. There followed a frank discussion on the professional aspects of the problem and on the difficulties that arise in practice in connection with the 2s. prescription charge and items on forms EC10 with a "retail" price of less than 2s. The Minister agreed to consider the whole question again in the light of what was said at the talk and then to write to the Central N.H.S. Committee.

The chairman of the Central N.H.S. Committee wrote to Mr. A. S. Marre (Ministry of Health) on June 28 notifying him that Mr. J. Wright, F.P.S., was now the secretary of the Committee.



RAIDED: A smash-and-grab raid took place at Ilford House, Oxford Street, W.1, London headquarters of Ilford, Ltd., in the early hours of July 3. Two attempts were made to break into the showroom and exhibition centre. The first was at 1.30 a.m. when, according to some local residents, the brick used in an effort to break the window was not heavy enough and bounced off. The raiders returned at 3 a.m. with a heavier missile and this time were successful. Cameras to the value of more than £60 were stolen. The shattering of glass was heard by the local people, who dialled 999; and by police in the area, who arrived seconds later. The raiders were chased in and out of the narrow streets of Soho, but got away.

A Resolution Reinforced

"STRONGER ACTION IF NECESSARY"

THE following resolution was moved by the chairman (Mr. H. L. Crossley) at a meeting of the Walthamstow Branch of the National Pharmaceutical Union on June 13.

"That this meeting of the Walthamstow and District Branch of the N.P.U., fully approves the resolutions passed at the conference of Pharmaceutical Committee representatives of June 7 and pledges support for future action by the Central N.H.S. Committee."

After the addition of the amendment

"and will support strong action if necessary,"

at the request of members, the resolution was passed unamimously by the meeting. It was agreed that members not present should be given an opportunity to signify approval.

Whitley Council "C"

HOSPITAL PHARMACISTS' SALARY CLAIMS

THE Staff Side, Committee "C," Pharmaceutical Whitley Council has placed before the Management Side three claims: (*a*) For those chief pharmacists who, by virtue of being the only chief pharmacist in the group, are excluded from the benefits under HM(59) 43 and Ph. Circular 26, so as to bring them into line with group pharmacists now being paid for group duties; (*b*) a general revaluation claim to increase the salaries of all pharmacists, as follows:—*Basic*, £800—1,050; *Senior*, £900—1,200; *Chief I and Deputy IV*, £1,000—1,350; *Chief II and Deputy V*, £1,100—1,450; *Chief III*, £1,250—1,630; *Chief IV*, £1,400—1,835; *Chief V*, £1,600—2,050; (*c*) for deputies to chief pharmacists of designated teaching hospitals. No meetings of the full Whitley Council have, to date, been held to discuss any of those claims.

Drugs Obtained Illegally

A REPORT FROM THE POLICE

THE General Benefits Committee of the London Executive Council recently received seven reports from the Commissioner of Police of instances in which patients had obtained drugs by illegal means. Of the seven cases reported, a sentence of three months' imprisonment was imposed in one case, fines in two cases, a caution in two cases, and in two cases the police decided not to take further action, though in one of those the Council was able to arrange for the patient to receive medical attention. An ever increasing number of cases were being reported by the police in London of patients obtaining drugs under the National Health Service by irregular or illegal methods. The Committee was of opinion that adequate publicity should be given to the increase.

Public Ownership

LABOUR PARTY POLICY STATEMENT

"SIGNPOSTS for the Sixties," a statement of Labour Party home policy to be submitted by the party's national executive committee to its annual conference in October, focuses attention on the rôle that public ownership might play in stimulating expansion of the country's economy. One paragraph calls for the review of those industries that are "largely dependent on State purchasing schemes." It reads (in part): "The National Health Service spends over £80 millions a year on pharmaceutical products and there is clear evi-

dence of waste and profiteering. Why should we not protect the taxpayer by arranging that it [the N.H.S.] should meet its requirements increasingly from public enterprise, either through new, publicly owned undertakings or by the acquisition of existing ones? "

Agricultural Chemicals

REVISED AND NEW RECOMMENDATIONS

REVISED recommendations for the safe use in Great Britain of diazinon (diethyl 2-isopropyl-6-methyl-4-pyrimidinyl phosphorothianate) have been issued by the Ministry of Agriculture. The Ministry now state that the use of diazinon on any edible fruit tree, bush, cane or plant is acceptable provided it is applied before the flowers open, or after harvesting. New recommendations have also been issued for two non-systemic acaricides:—2,4,5,4′-tetrachlorodiphenyl sulphide (Animert) and 2,4,5,4′-tetrachlorodiphenyl sulphone (tetradifon, Tedion). It is considered that neither compound need be included in the Agriculture (Poisonous Substances) Regulations. Tedion (Midox agricultural division, Rentokil Products, Ltd.) is the only product at present commercially available. It is used as an ovicide and larvicide in the control of red spider. The recommendations in respect of azinphosmethyl (Gusathion) (see *C. & D.*, March 12, 1960, p. 288), have been amended by including application rates for indoor crops of cucumbers and tomatoes. Cucumbers may receive up to five applications each at 1·5 gm. per 1,000 cu. ft. of glasshouse space (e.g. 4 fl. oz. of a 10 per cent. w/w aerosol formulation per 10,000 cu. ft.). Tomatoes may be given up to three applications each at 1·5 gm. per 1,000 cu. ft. of glasshouse space (e.g. 4 fl. oz. of a 10 per cent. w/w aerosol formulation per 10,000 cu. ft.).

Central Sterile Supply

REPORT OF THE NUFFIELD TRUST

PROGRESS made during the past three years in the organisation of central sterile supply departments in hospitals is outlined in the fifth report (1958-61) of the Nuffield Provincial Hospitals Trust, published recently. During that period the Trust has supported a research team for the purpose of investigating the potentialities of central sterile supply, first by studying sterilising practices and equipment in different hospitals in Europe and the United States and later by developing the experimental C.S.S. department at Addenbrooke's Hospital, Cambridge. The report mentions that Addenbrooke's is also being used for testing new ideas and apparatus, and will eventually act also as a demonstration centre for other hospitals planning for C.S.S. Reference is made to the £10,000 grants allocated by the Trust to the Royal Infirmary, Sunderland, and the General Hospital, Birmingham, towards the reconstruction of their sterilising departments. The report continues: " It is already clear that many central sterile supply departments will be constructed during the next few years, and a study of the experience gained in these units should be invaluable to the whole hospital service." The Trust hopes to issue a final report on its completed C.S.S. investigation early in 1962.

Fertilisers in Europe

O.E.E.C. REPORTS PRODUCTION AND USE

THE tenth report on *Fertilisers in Europe*, published recently by the Organisation for European Economic Co-operation, gives full statistical information for all member countries and also for Jugo-Slavia on the production, trade and consumption of fertilisers, as well as on their prices. The report shows that the output of nitrogenous, phosphate and potash fertilisers in 1959-60 continued to rise over that of previous years, although at different rates. The production of both nitrogenous and phosphate fertilisers increased by 6 per cent. and that of potash by 7 per cent. A further substantial increase in the production of nitrogen and potash fertilisers is foreseen for the current period 1960-61, though phosphate production may well remain stable. Obtainable from H.M. Stationery Office, the report costs 9s.

Alkali Works

FEWER COMPLAINTS IN 1960

SUBSTANTIALLY fewer complaints required investigation by the alkali inspectorate in 1960 than in 1959. The degree of justification for complaint varied, states the annual report of the Chief Alkali Inspector for England and Wales (H.M. Stationery Office, price 4s.), and was often most intense against some of the smaller works. During 1960 specific complaints concerning 292 works were investigated, compared with 354 complaints in 1959 and 133 in 1957. The number of registered premises in Scotland fell from 325 at the beginning of 1960 to 311 at the end of the year.

Ultrasonics Committee

" TO BRING ORDER INTO THE FIELD "

THE Ultrasonics Executive Committee has been set up by the Scientific Instrument Manufacturers' Association of Great Britain, 20 Queen Anne Street, London, W.1, after joint consultation with a number of interested manufacturers to study the problems arising and to see what may be done to bring order into the field of ultrasonics. The first work to be undertaken by the committee is to be a study of the terminology used in the subject. After that a detailed study of the measurement of acoustic power in liquids, the assessment of ultrasonic cleaning efficiency, the problems associated with the use of ultrasonics in flaw detection and measurement, those arising from the medical application of ultrasonics and those due to the increased industrial uses.

Patents and Designs

HIGHER RENEWAL FEES

THE Patents and Designs (Renewals, Extensions and Fees) Act, 1961, extends from three to six months the period during which the proprietor of a patent may apply, after the expiration of the current period of protection, for a renewal. The Patent Amendment Rules, 1961 (H.M. Stationery Office, price threepence), prescribe the additional fees payable on applications made within that period. The Designs (Amendment) Rules, 1961 (H.M. Stationery Office, price threepence), set out the additional fees in respect of extensions of copyright in a registered design. A draft Order in Council has been laid before Parliament, The Patents (Fees Amendment) Order, 1961 (H.M. Stationery Office, price threepence), increases certain maximum fees specified in the Patents Act.

Retail Sales

BOARD OF TRADE STATISTICS

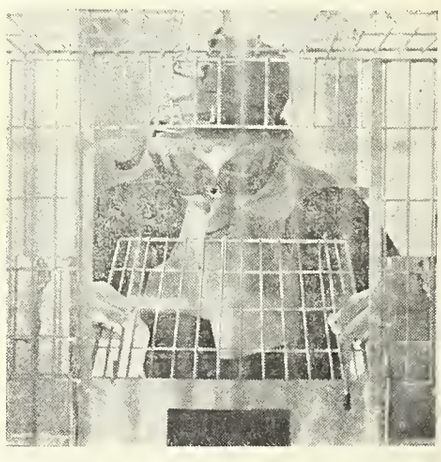
RECENTLY issued Board of Trade figures show that sales of chemists' goods by independent retailers were 4·4 per cent. higher in May than in April and 4·4 per cent. higher than in May 1960. Multiple retailers' sales were 3 per cent. higher in May compared with April and 9·3 per cent. higher than in May 1960. Sales by Co-operative societies were 4·9 per cent. higher in May than in April and 6·6 per cent. higher than in May 1960. The figures do not allow for receipts under the National Health Service.

A New Research Unit

MANUFACTURER TO STUDY TRACHOMA

A NEW virus research unit has been completed by Pfizer, Ltd., Sandwich, Kent, for investigation of trachoma, a virus disease prevalent in Africa and Asia that causes blindness. The enterprise is an important research project in which the company is co-operating with the Medical Research Council's Trachoma Research Group.

The new building has extensive laboratory and animal accommodation, and is designed to preclude the possibility of infectious organisms escaping to the outside, as well as preventing any contamination from entering the building. It has three sections: a group of laboratories and two groups of animal blocks of four wards each, all completely separate and designed so that movement of personnel and air between each is controlled. Each animal ward and laboratory has its own high-intensity ultra-violet lock entrance. Sterile air is supplied to individual rooms.



Inside one of the animal wards at the new virus research centre of Pfizer, Ltd., Sandwich, Kent.

NEWS IN BRIEF

GREENLAND has been included in the area of the European Free Trade Association with effect from July 1.

THE dispute concerning the cephalosporin C patents assigned to the National Research Development Corporation that was to have been heard by the Comptroller-General of Patents on June 28 (see *C. & D.*, June 10, p. 588), has been deferred until July 21 in order to allow one of the participants to be legally represented.

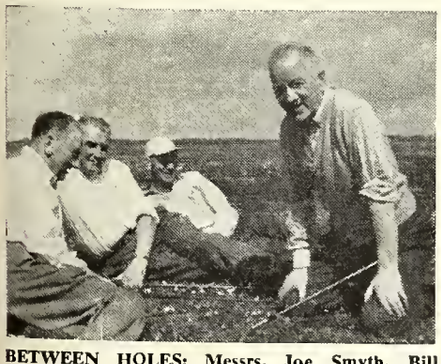
THE Minister of Health has reappointed Alderman W. J. Tristram, J.P., M.P.S., to serve on the Central Health Services Council and Pharmaceutical Standing Advisory Committee and appointed Messrs. E. J. Fitchett, M.P.S., D. E. Sparshott, B.Pharm., M.P.S., and B. J. Thomas, M.P.S., to serve on the Committee.

SPORT

Golf. — IRISH CHEMISTS' GOLFING SOCIETY. Over seventy members took part in the Irish Chemists' Golfing Society's outing to Roscrea on June 21 when prizes presented by Antigen, Ltd., were competed for over fifteen holes. The visitors were entertained to lunch by Antigen, Ltd., prior to the competitions, and afterwards to supper in the club house when the prizes were presented by Mr. Fasenfeld (managing director). The captain of the Society (Mr. J. T. Foley) thanked Antigen, Ltd., for the hospitality extended to the visitors. *Results:* 15 *holes*, 1, J. B. O'Connor, Dublin (21), net 53½; F. Keys, Dublin (21), 55½; A. C. Hennessy, Dublin (11), 55 5/6; *Bogey:* J. F. Murray, Dublin (14), 2 up; H. Horan, Ballymote (14), 2 up; R. Daly, Cork (6), 1 up.

LONDON CHEMISTS' GOLFING SOCIETY, at West Surrey golf club on July 3. *Bogey Stableford competition. Results: Johnsons of Hendon (Men's) Prize*, 1, Mr. G. K. Whitmore (15), 33 points; *Johnsons of Heudon (Ladies' Prize)*, 1, Mrs. L. Taylor (24), 26 points; *Burgoyne Cup and Prize*, 1, Mr. E. S. Jobling (12), 32 points; *Honourable mentions:* Mr. R. M. Pierce-Williams (7), 32 points; Mr. M. N. Doyle (2) 32 points. The *Cow & Gate Prize* was won by Mr. H. E. James (president), handicap 10, and Mrs. L. Taylor, handicap 24, with a score of 29 points.

Bowls.—ULSTER CHEMISTS' BOWLING ASSOCIATION. The annual bowling match for the *Rexall Trophy* between the Ulster Chemists' Bowling Association and the Scottish Chemists' Bowling Association was played at Ballymena Green, co. Antrim, June 28. The result was a win for Ulster Chemists by 77 to 69. *Results: Ulster Chemists*, A Steen, 17; S. T. McIlroy, 18; J. Kielty, 19; S. Magowan, 23; *Scottish Chemists*, A. McKinley, 16; W. Dickson, 19; D. C. Bernard, 20; J. E. Budge, 14. *Winning Rinks: Ulster Chemists*, L. Jacobs, J. Patterson, A. E. Atkinson, S. Magowan; *Scottish Chemists*, A. Bannatine, W. Graham, D. M. Dick, D. C. Bernard.



BETWEEN HOLES: Messrs. Joe Smyth, Bill Mullen, Des McHugh and Phil McAuliffe relax during the four-day outing at Rosslare, co. Wexford, of the Irish Chemists' Golfing Society.

TOPICAL REFLECTIONS

By Xrayser

Counter practice

In the third article of what gives promise of becoming an authoritative and most valuable history of the British Pharmaceutical Conference, Mr. E. H. Shields draws attention (p. 12) to an address given by Professor Redwood at the Glasgow meeting in 1876. The dilemma facing Redwood was that there were 14,000 chemists and druggists in Britain, "the greater part having little to do with the dispensing of physicians' prescriptions, while all are engaged, and most are principally engaged, in supplying medicines to be used by the public on unprofessional responsibility." Redwood added that he hoped and believed that there were not many who travelled beyond the bounds required for the safety and at the same time for the convenience of the public. "Where," asked the speaker, "shall we draw the line and say, 'Thus far but no farther'?" It was a fair question over eighty years ago, and it is one that is still with us, owing, in no small part, to a number of factors arising at the present time. One thinks, in particular, of the tremendous boost given to self-medication resulting from the Minister of Health's obsession with costs under the National Health Service, by which it may be more economical to the sufferer to consult the advertisement columns of his newspaper than to visit the doctor with whom he registered when he was led to understand that there was no financial barrier to skilled treatment.

Self-medication

The situation is changed since Redwood's time, in that fewer people ask the advice of the pharmacist in the taking of medicines. The "self-medicant," if I may call him so, has been conditioned long before he reaches the pharmacy to make his purchase. He knows what is wrong with him, and his scientific diagnosis has led him to the conclusion that his liver needs arousing. He knows that unless two pints of bile juice are flowing into his intestines each day, he gets tired, sour, listless and depressed. He also knows that, after the age of thirty-five, waste impurities and bacteria often irritate the delicate passages from the kidneys. Then, he is aware, he can feel tired, old and nervy, and suffer from rheumatic pains such as backache, aches around joints, sciatica or neuritis. And here he is in the pharmacy because he wants to feel younger and stronger and above all, to get that glorious good-to-be-alive feeling. In his pamphlet "Patent Medicines—an Indictment" (1946), Sir Hugh Linstead emphasised that the claims made for some medicines led people to postpone seeking skilled advice, thereby prejudicing the success of proper treatment. He said also that, by implication and directly, the advertising of proprietary medicines undermined public confidence in a State medical service and in the registered medical practitioners at whose hands such a service must be provided. That service, be it remembered, was first announced in a Government White Paper in 1944, and it was designed to ensure that every man, woman and child could rely on getting all the advice and treatment and care which they needed in matters of personal health, and that their getting these would not depend on whether they could pay for them. Professor Redwood, could he return, would find ample scope for a fresh appraisal of the pharmacists rôle and his attitude to current problems in terms of education and ethics.

Forged prescriptions

With great frequency we read reports of drug addiction leading to subterfuge and dishonesty to secure supplies of the substance which has taken charge of the individual. Not infrequently, the action taken by the addict is to alter the quantity prescribed by the doctor and sometimes it goes as far as the forging of prescriptions. The case reported from Glasgow (p. 5) is particularly sad, and it indicates the lengths to which desperation can drive the individual who has become utterly dependent. A sentence of imprisonment was imposed, and one would expect that medical treatment would also be given. New medical discoveries may produce problems quite unforeseen and unforeseeable when the drug is first launched.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

IN both the House of Lords and the House of Commons the Government announced on June 28 that it was impracticable to pass the Weights and Measures Bill during the present session. The Bill had been fully discussed in the House of Lords, and many useful amendments had been made and suggested. Public discussion had brought out additional matters of interest to particular trade consumers and local authorities, and it was clear that numerous amendments would still be required. It had been decided to present in the near future a Weights and Measures (No. 2) Bill, that would include the amendments the Government would have included in the original Bill. The second Bill would be published during the summer.

Hospital Pharmacists

Sir Hugh Linstead asked the Minister of Health the numbers of pharmacists employed in hospitals in the National Health Service in England and Wales for each year, including 1961, since 1948. Mr. Powell, in a written reply on July 3 stated that the numbers of pharmacists—expressed in terms of whole-time equivalents—in the hospital service at the end of each year from 1949 to 1960 were:—

1949	1,127
1950	1,176
1951	1,217
1952	1,243
1953	1,242
1954	1,237
1955	1,267
1956	1,305
1957	1,314
1958	1,315
1959	1,348
1960	1,444

No figures were available for 1961.

London Post-graduate Hospitals

In a written answer addressed to Lady Ann Gammans on June 27, the Minister of Health announced a scheme for the future redevelopment of a number of London post-graduate teaching hospitals and institutes into one or other of two existing groupings situated in Bloomsbury and South Kensington/Chelsea respectively.

Television Advertisements

Mr. G. Darling asked the Postmaster-General if he would amend the Television Act so as to ensure that no advertisements for proprietary medicines and drugs were permitted unless their form and content had been approved by an advisory panel set up after consultation with the Medical Research Council. Rejecting the suggestion, Mr. R. Bevins (Postmaster-General), pointed out that there were two checks against misleading advertisements. First was the Authority's advertising advisory committee which advised both the Independent Television Authority and the programme companies on standards for the advertising of medicines. There was also a panel of medical advisers to the programme companies. That panel did not include advertisers of proprietary medicines. All proprietary medicine advertisements were now being referred to the panel. The Postmaster-General thought the position was satisfactory.

Seed Dressings and Wild Life

Replying to a number of questioners, Mr. Christopher Soames (Minister of Agriculture, Fisheries and Food), on June 3 stated that the survey made in the spring into reported cases of deaths of birds had shown that the widespread increase of the deaths had been confined to springtime and that the main trouble could be obviated by farmers not using dressings containing dieldrin, aldrin and heptachlor for spring sowings. Accordingly, it had been agreed that from January 1962 those dressings would not be used at all for spring sown grain, and they would only be used for dressing autumn and winter wheat where there was a real danger of attack from wheat bulb fly. Arrangements would operate under the terms of the Notification of Pesticides Scheme and would not involve regulations. The Ministry of Agriculture was to continue its survey and review the situation next year.

Drug Costs in Hospital

Mr. A. F. Holt asked the Minister of Health on June 28 if he had received the report of the investigation into the cost of 3,000 different drugs and dressings carried out by the Manchester Regional Hospital Board; and to what extent its recommendations went beyond those of the Cohen Committee. Mr. Powell stated he had seen the report of certain actions to reduce the exceptionally high cost of drugs and dressings at the Royal Lancaster Infirmary. There was no inconsistency between those actions and anything in the Cohen Committee's reports on prescribing by general medical practitioners.

BEECHAM GROUP, LTD.

Royalties on penicillins now being received

IN his annual statement with the accounts for the year ended March 31, the chairman of Beecham Group, Ltd. (Mr. H. G. Lazell) mentions that royalties from the new penicillins were increasing and should make a useful contribution to profit in the current year. "This is notable as being the first occasion on which royalties on penicillin have been paid to a British company," he adds. Several new penicillins, selected from hundreds that they had made, were undergoing the final stages of evaluation. Their introduction would "revolutionise the antibiotic treatment of disease."

Mr. Lazell continues: "It is disturbing to note the growing attacks on the whole pharmaceutical industry and particularly on that section of it which serves the National Health Service. The main accusation is that the industry is making excessive profit which materially increases the cost of the health service. In comparison with an expenditure of £1,000 millions on alcoholic drinks and of over £1,100 millions on tobacco, a cost of approximately £740 millions for the whole National Health Service does not seem to be an excessive charge on our national resources. Moreover, it has to be realised that out of this £740 millions only £55 millions, or 7·4 per cent. was paid to the pharmaceutical industry in respect of all drugs. I cannot compute how much of this sum represented profit, but it is clear that if the profit were entirely eliminated, the effect on the total cost of the service would be infinitesimal."

Mr. Lazell goes on to say that if the industry is to have a sound financial basis, it must be allowed to recover its research expenditure from the very few marketable products which emerge. It was impossible to work to narrow margins because of the unpredictable fluctuations in sales which must inevitably occur so long as new and more effective drugs appeared with such frequency. Product obsolescence often involved plant obsolescence constituting another serious risk of heavy capital expenditure.

The company's expenditure on research during the year was £750,000, of which half was devoted to basic pharmaceutical research. In addition, a sum in excess of £2¼ millions was being spent on their new Worthing plant.

The company's share of the dentifrice market had increased during the past three years by £1½ millions, but profit in the shampoo business in Britain was reduced by increased competition.

On the company's total exports, the chairman states that by exceeding £2 millions for the first time, overseas profit have begun to reflect the advertising investment of earlier years. Business in the United States was continuing to expand.

COMPANY NEWS

Previous year's figures in parentheses

QUICKFIT & QUARTZ, LTD., have formed a German subsidiary company, Quickfit Laborglas, GmbH., with headquarters at Wiesbaden.

CROOKES LABORATORIES, LTD.—Mr. F. A. Robinson, D.Sc., LL.B., F.R.I.C., at present research director of Allen & Hanburys, Ltd., has accepted an appointment as executive chairman of the Crookes Laboratories, Ltd.

D.D.D. CO., LTD.—The following appointments to the board are announced:—Mrs. H. Butler, B.Sc., technical director; Mr. L. C. Bullock, sales director; Mr. A. E. Embleton, advertising director.

LEWIS & PEAT, LTD.—Final dividend of 12 per cent. is announced against a forecast of 10 per cent. at the time of the one-for-one rights issue in November 1960, making a total distribution for the year ended March 31 of 22 per cent. (against 22½ per cent. on the smaller capital). Net profit improved to £117,059 from £100,911, after tax of £114,120 (£111,802).

SANITAS TRUST, LTD.—The Sanitas Trust bid for the Ordinary capital of Spa Brushes, Ltd. (*C. & D.*, July 1, p. 5), was stepped-up from 4s. to 5s. cash per 2s. share. The Freeman family interests, it is announced, have sold 699,802 Spa shares, representing about 56 per cent. of the Ordinary capital, to Sanitas at the increased 5s. price, and Sanitas will offer for the balance of the capital on the same terms as soon as practicable.

ASPRO-NICHOLAS, LTD. — The company's annual report gives a breakdown of 1959–60 sales over the group's selling areas, showing 3·5 per cent. in the Americas, 31·1 per cent. in Western Europe, excluding U.K., 46·5 per cent. in the U.K., 7 per cent. in Asian Territories, and 11·9 per cent. in Africa. In comparing those figures with buying potential it is pointed out that the preponderant potential lies in the Americas, but that that is a highly competitive area, and the European Common Market and Free Trade Association present a more fruitful field for immediate development.

As reported June 17 (p. 618), group profit before tax, for the year to March 31, was £1,127,734 (£1,000,036).

Voluntary Liquidation

APTEKA, LTD., chemists and druggists (R.O.) 120 Newgate Street, London, E.C.1. Liquidator: R. P. Booth, Kimberley House, Holborn Viaduct, London, E.C.1.

NEW COMPANIES

P.C.=Private Company; R.O.=Registered Office

F. J. JANES, LTD. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Directors: Emrys Jones, M.P.S., and Olive A. P. Jones. R.O.: 5 Kingsbury Square, Aylesbury, Bucks.

VERNON COSMETICS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in cosmetics, perfumes, etc. Directors: Joan M. Cornish and Leslie V. Cornish, Blandings, Sunnydale, Farnborough Park, Kent.

WILFRID SMITH (FINE CHEMICALS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, gases, waxes, etc. Directors: Cecil D. L. Smith and Brian R. Cuzner. R.O.: 16 Philpot Lane, London, E.C.3.

BROAD & DUNNING, LTD. (P.C.).—Capital £6,000. To carry on the business of chemists, druggists, opticians, photographers, etc. Directors: Charles F. H. Broad, M.P.S., Hilda E. Broad, Harry E. J. Dunning and Hazel E. Dunning. R.O.: 41 King William Street, London, E.C.4.

G. R. H. HAY, LTD. (P.C.).—Capital £3,900. To carry on the business of analytical and dispensing chemists and druggists, etc. Directors: Douglas E. Sanders (director, Lionel Sanders (Luton), Ltd.), Irene A. Sanders, M.P.S., and George R. H. Hay, M.P.S. (director, I. E. Sanders, Ltd.). R.O.: 22 Cheapside, Luton.

GAZE & GARSIDE (FLAMSTEAD END), LTD. (P.C.).—Capital £5,000. To carry on the business of chemists, druggists, opticians, etc. Directors: Margaret E. Graham and Arnold Graham, M.P.S., Dr. Raymond B. Gaze, Norman Ledger and Rex Taylor. R.O.: 92 Turners Hill, Cheshunt, Herts.

LAXTON & JONES (CHEMISTS), LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturing and dispensing chemists, etc. Directors: Leonard C. Laxton, Doris F. Laxton, Basil M. M. Jones and Mrs. Florence L. Jones. R.O.: Crabtree Close, Picket Hill, Ringwood, Hants.

BUSINESS CHANGES

THE registered address of Anestan, Ltd., is now 6 Albemarle Street, London, W.1.

DONCASTER CO-OPERATIVE SOCIETY, LTD., have transferred their Balby Road Pharmacy to the new premises at 248 in that road.

Appointments

BOOTS, LTD., have appointed Mr. E. Barrett to succeed Mr. L. F. Steer as territorial general manager for the Company's East London to Southend area for Boots, following Mr. Steer's retirement on June 30.

ERNEST JACKSON & CO., LTD., Crediton, Devon, have appointed Mr. S. K. Markham their sales manager in succession to Mr. D. C. Bristow, who has retired. Mr. Bristow, however, plans to maintain some of the company's business connections.

PERSONALITIES

MR. H. A. SWAISLAND, who has represented Carter & Sons, Ltd., Sheffield, since 1919, and is now an area sales manager for the company, has been elected chairman of the United Commercial Travellers' Association of Great Britain and Ireland.

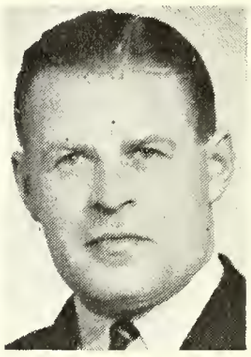
ALDERMAN EIRWYN OWEN, M.P.S., has been re-elected chairman of the Health Committee of the Bangor City Council, and re-elected chairman of the Beaumaris Joint Port Health Authority. Mr. Owen is also the chairman of the local road-safety committee.

MR. M. J. SMITH, M.A., who is overseas trade director of Evans Medical, Ltd., is to be director of this year's Oxford University Business School. The course, which lasts throughout July, is being held at Pembroke College and the syllabus consists largely of a study of the contemporary economic situation coupled with economic theory. It will also include various aspects of business management and among the visiting speakers are many leading industrialists. The forty-four students of the school are young executives drawn mainly from industry and commerce.



OCTOGENARIAN GRADUATE: The honorary degree of Master of Arts was conferred upon Mr. H. Humphreys Jones (left) at Liverpool University by the vice-chancellor (Sir James F. Mountford) on July 1.

MR. R. D. SMART, who has been marketing manager of Allen & Hanburys, Ltd., has been appointed a director of the company. Mr. Smart joined the company in May 1952 as head of the medical information department, working under Dr. G. R. Boyes, and in April 1956 was appointed development manager.



MR. D. A. NORTON, B.Sc., F.P.S., A.C.T.(Birm.), who is head of the School of Pharmacy at Bristol College of Science and Technology, has recently been promoted to Officer Brother of the Order of St. John Ambulance Brigade. Mr. Norton joined the Brigade in 1939 as ambulance officer to Perry Barr Division, Birmingham. After service with R.A.F. (1941–45) he transferred to Smethwick and West Bromwich Corps (Staffs) as corps officer and secretary and was promoted to corps superintendent in 1952. He was admitted to the Most Venerable Order of the Hospital of St. John of Jerusalem in the grade of Serving Brother a few months later and transferred to Bristol in 1955.



A VETERAN RETIRES: Mr. D. C. Bristow with the salver presented to him by Mr. W. E. Jackson (managing director, Ernest Jackson & Co., Ltd., manufacturing chemists, Crediton, Devon) on his retirement on June 30 after being the company's sales manager since September 1920. With them in the picture are Major C. J. Lynch (director and secretary), Messrs. H. and R. J. Elston (foremen), Mrs. Jackson, Messrs. T. J. Watson (director and works manager), P. F. Lobb and D. E. Williams (representatives) and S. K. Markham.

DEATHS

BEILBY.—On June 26, Mr. Cyril Beilby, M.P.S., 44 Portland Road, Nottingham. Mr. Beilby qualified in 1907.

BRACKENBURY.—On June 20, Mr. Frank Hayden Brackenbury, M.P.S., Galen House, Church Lane, Bardney, Lincs. Mr. Brackenbury qualified in 1900.

COX.—On June 16, Mr. John Archer Cox, M.P.S., 5 Ashling Villas, Cheltenham, Glos. Mr. Cox qualified in 1921.

ILLINGWORTH.—On June 14, Mr. Thomas Midgley Illingworth, sometime deputy chairman and joint managing director of Ilford, Ltd., Ilford, Essex. Mr. Illingworth had devoted the whole of his working life to the photographic industry. Son of one of the pioneers of the trade, he entered his father's firm, Thomas Illingworth & Co., at an early age. In 1919 the business was acquired by Ilford, Ltd., and in the next year Midgley Illingworth joined Ilford, Ltd., as a director. From then onwards he was increasingly responsible for the commercial direction of the Ilford company. In 1946 he became joint managing director and deputy chairman, and held that position until his retirement in 1957. Mr. Illingworth was perhaps best known for his services to the various trade associations, both domestic and international, dealing with the photographic industry. He held many offices at different times; he was president of the British Photographic Manufacturers' Association during 1937 and 1938 and he held office as vice-president of the Royal Photographic Society, 1945-46.



A colleague writes:—The most marked characteristic of Midgley Illingworth was his capacity for friendship. Wherever he went he made friends. He had a genuine liking for people, and an interest in their lives and problems. Throughout his life he followed, without affectation, a simple rule. Anyone in sickness or misfortune he visited. If for any reason he was unable to do so, he never failed to write a letter of sympathy and encouragement. A modest man, he was better loved than he knew. He used to say that if he had lived his life again he would have chosen to be a general practitioner: he would have made an admirable family doctor. Outside his business activities he had a gift for enjoyment. He was an excellent companion, interested in everything he came across, a good golfer and an enthusiastic fisherman. He was fortunate in having a remarkably happy home life. It is sad that he did not live longer to enjoy his many interests in his retirement.

JACKSON.—On June 16, Mr. Henry Jackson, M.P.S., 104 Church Road, Burton Joyce, Notts. Mr. Jackson qualified in 1893.

PIPER.—On June 17, Mr. Cecil Piper, M.P.S., 58 Marsh House Road, Ecclesall, Sheffield, 11. Mr. Piper qualified in 1915 and was formerly in business in Sheffield, Redcar and Nottingham.

TAYLOR.—Recently, Mr. Peter Taylor, M.P.S., 4 Bon Accord Crescent, Shotts, Lanarks. Mr. Taylor qualified in 1921. The manager of the Scottish Co-operative Wholesale Society drug department, 28 Main Street, Stane, for thirty years, Mr. Taylor was due to retire in a few weeks. Mr. Taylor is survived by his widow and a married daughter.

TEDD. — After a long illness, on June 27, Mr. John Tedd, B.Sc., export sales manager, the Distillers Co., Ltd., chemical division. Mr. Tedd, who was aged forty-four, joined D.C.L. in 1957 as overseas sales representative to British Industrial Solvents, Ltd. He leaves a widow and a son aged four.

TIMMS.—On May 21, Mr. Ernest Tom Weston Timms, M.P.S., 23 Manwood Avenue, Canterbury, Kent. Mr. Timms qualified in 1905.

N.P.U. Chairman at Exeter

(*Concluded from* THE CHEMIST AND DRUGGIST, *July* 1, *p.* 10)

MR. HOWELLS concluded by hoping that the professional fee would be applied as a flat rate for the professional knowledge used in connection with the interpretation of the prescription from the time it was handed in until the finished product was handed to the patient. An EC10 was not just a piece of paper containing an order given to a shopkeeper. Everybody—pharmacists, doctors and public—must learn to give it the respect and care which its importance warranted. "I would prefer not to have the fee split according to prescribing frequencies so as to produce an 'average' fee; that suggests a greater or lesser degree of professional skill."

Three Months' Notice

MR. A. E. CHAPMAN, Torquay, said the dispensing fee of 2s. was far too low. The Minister should be offered a new contract until such time as terms satisfactory to the contractors were achieved, with three months' notice of any change in Tariff prices and conditions. MR. HOWELLS replied that the Central N.H.S. Committee had received its orders from the Pharmaceutical Committee representatives, who had decided that the claim should be for 2s.; that claim had gone in and there was nothing one could do about discussing any other figure.

MR. H. T. FRANKS, Torquay, declared that the figure of 2s. should not have been put forward until it had had a chance to be ratified.

MR. J. C. JESSOP, Torquay, said that chemists had a contract with the Ministry and the Ministry a contract with them; it was the first he had encountered that could be altered by one of the parties by a flick of the fingers.

On the question of sanctions, MR. HOWELLS assured a questioner that the Committee had good support from the multiples; the sanctions they envisaged imposing would hurt the Ministry most and the public least, and that chemists should not take action without full consultation and agreement with their medical friends. It was hoped that the Pharmaceutical Committees throughout the country would arrange to call meetings for pharmacists to discuss what sanctions could usefully be imposed in particular areas. At headquarters they were not supermen, and most of the brains were "up and down the country." The negotiators would use those brains to the best of their ability. In the public relations sphere headquarters would endeavour to put the contractors' case and to make clear to such influential people as Members of Parliament, women's organisations, Rotary clubs, etc., the type of work they were doing and how they had behaved throughout the years of the Health Service.

MR. F. H. BATE, Ottery St. Mary, urged the Committee to remember that they were negotiating for the future. Chemists might be content now with 2s., but 3s. 6d. was going to be much more the idea of the pharmacist of the future.

A Hiatus in Remuneration ?

MR. FRANKS, Torquay, pointed out that the chemists' claim had gone in first in 1957. If they were expected to lose money for the period between 1957 and 1961, was there to be no argument about it? Any increase should be back-dated to 1957.

MR. F. D. HISCOCK, Lyme Regis, asked whether there was a possibility of a partial strike. They had an agreement with the Minister. Would they not be justified in saying to him "If you will not pay the price we ask, we shall not supply the drugs"?

MR. J. M. SKIPP, Dorchester, thought that some of the propositions that had been made would have the effect of upsetting the doctors and the public without getting chemists anywhere. They had spent years building up good relations with the medical fraternity and were now treated as professional equals. Let that not be destroyed. The doctors were willing to back the chemists in their fight. He was a dispensing optician, as well as a pharmacist, and as an optician he received a fee. The doctor received his fee, the dentist his. The fee was a sound professional basis; it should be taken out of the figure for total remuneration and put as a separate item.

MR. T. C. NEVILLE BOOTH, Exeter, put forward the resolution:

> "That it is the opinion of this meeting that we wholeheartedly support the central negotiating committee in any action they may take to bring about a settlement of N.H.S. remuneration, using the new formulas."

MR. T. C. KING, Exmouth, seconded and the resolution was passed by an overwhelming vote. A second resolution

> "That it is the opinion of this meeting that the Central negotiating committee be instructed to commence the public relations campaign forthwith, without awaiting the outcome of present proposals"

was proposed by MR. R. C. CRISP, Exeter, and seconded by MR. MANLEY, Honiton, and was carried unanimously.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

"Traffic Signals" on Products

SIR,—It would make things easier if manufacturers marked their preparations with a small green, yellow or red spot: Green—no restrictions on sale; yellow—certain precautions to be taken; red—no sale, prescription only.

G. H. P. THOMAS,
Parkstone, Dorset

Why No Name?

SIR,—With reference to the letter of Mr. L. Edwards you published in last weeks *C. & D.* (p. 20), why are you so coy about disclosing the name of the manufacturer? An advertiser maybe?

JAMES MCDONNELL,
Southend-on-Sea

Wrong, Mr. McDonnell. The name was in type but we made a check-up and found that the manufacturer was by no means unique in refusing to allow credit on stocks in pharmacists' hands at the time of a price reduction. In such circumstances to single out a manufacturer might be considered as having an element of vindictiveness, which we were anxious to avoid, since it is, surely, the principle of the thing, and not the individual, that matters.—EDITOR.

A Reply to V. Bugloss

SIR,—

AS you show me the door you call me a bore,
An oaf, a balloon or a drip.
My smile is benign, to retort I decline
So you coin yet another rude quip.

Your words make me squirm, yet I'm so much a worm
I refrain from the snappy retort.
You make me see red, yet I'm far too well bred
To tell you my innermost thought.

I'm a salesman it's true; but then, sir, aren't you?
Don't you try to dispose of your stock?
When your customers call, do they make you feel small?
Are they boorish to you, my fine cock?

Though I'm right round the bend, my ways I would mend
If you, V. Bugloss, would mend too.
Were you to relent you'd find I'm a gent
(Or almost a gent, sir, like you).

For as, day by day, I go on my way
I meet them—the fat and the lean.
The friendly and kind, the — there, never mind,
The Buglossi, you know what I mean.

AN ITINERANT VENDOR

Sanctions or Withdrawal

SIR,—Would it not have been wiser for the Central N.H.S. Committee to have waited until the contractors had had an opportunity to air their views and approve or disapprove the proposed scales of remuneration before approaching the Ministry? The attitude of contractors towards sanctions or withdrawal of service ought to have been sounded. In my opinion sanctions will merely irritate the pharmacist, the doctor and the general public, while on the other hand complete withdrawal of service will be understood by all and the threat will probably be sufficient. After all, over 50 per cent. of contractors are dispensing at a loss so they will not lose at all by withdrawing their service, especially at Christmas, when they can concentrate on more remunerative activities. The demand for a professional fee of 2s. is still too low. It does not meet the demands of qualified labour today and still less does it anticipate the results of the present inflationary trend. It also leaves no room for negotiation—for negotiation there will be. There is still the apologetic, timid approach by the leaders, who seem unable to grasp the opportunity that presents itself now. That opportunity will never occur again, and this time our leaders must be tough and ruthless in their demands. But once again it seems they have lost their opportunity. It is too late.

J. H. WILLIAMS,
London, S.W.1

Margins

SIR,—In your issues of March 11 and 18 you published letters regarding the profit margin on Colorific and Bright Future. The same company is now introducing a wave set with an even lower profit margin than Bright Future. The profit on the new product, calculated on the standard wholesale price plus purchase tax, is less than 20 per cent. If this manufacturer can sell Colorific with a margin of 25 per cent., why does it reduce the margin on the new product by one-fifth? Just how much does the reduction mean? With retailers' overheads ranging from 10 per cent. to 15 per cent. of turnover the difference is a cut of one-third to one-half in net profit. How much longer are we going to acquiesce in this profit cutting? How much lower will such firms cut our margins if we let them? Building Societies are now offering 3¾ per cent. tax-paid on capital invested. We are rapidly approaching the point when it will be more profitable to take that than to work all day for the return which some manufacturers offer us. I gather that this manufacturer values the prestige of selling its products through chemists. If so it should offer the proper inducement. If it is only prepared to offer margins which grocers find acceptable then it should market its products through the grocery trade.

A. BASTOW,
New Mills, Derbyshire

Liverpool Meets a Challenge

SIR,—We thought the attached photograph might be of interest to you as it depicts part of a six lorry load of urgent medicines ordered by the United Nations for relief of troops and civilians in the Belgian Congo. Although this order involved last-minute formulation changes recommended by our technical staff, in view of the essential need for a quick turn



round the products were ready for dispatch before documentation had passed through all its channels. Further complications were caused by the fact that the port of delivery was changed three times in three weeks. Liverpool manufacturing chemists have long played an important part in the country's vital export business. It is sometimes felt that the importance of this business is not fully realised or appreciated.

AYRTON, SAUNDERS & CO., LTD.,
S. V. GALLARD, *Director*,
Liverpool, 1

EXPANSION PLANS

CYANAMID of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2, announce that their plant for the production of melamine crystal at Gosport, Hants, is now on stream. Built in a little less than a year, the plant is the company's first general-chemicals production unit in Britain.

THE Du Pont Co. (United Kingdom), Ltd., are building another large chemical plant at Maydown, co. Londonderry, Northern Ireland. The decision comes approximately twelve months after the start of production of synthetic rubber at the first Du Pont works at Maydown. The new plant will manufacture isocyanates.

IMPERIAL Chemical Industries, Ltd., are to build two plants with a capital investment of approximately £½ million in Western Nigeria to manufacture paints and plant protection products. If negotiations with the authorities are successfully concluded the plants will be built on a site at the Ikeja industrial estate outside Lagos. It will be the company's first manufacturing venture in Nigeria, where I.C.I. (Export), Ltd., was recently established as a merchandising organisation.

N.H.S. ESTIMATES

In ENGLAND during February, 20,619,488 prescriptions (13,536,198 forms) were dispensed at a total cost of £7.638,098. Average cost per prescription was 88·90. During March 16,391,077 prescriptions (11,383,404 forms) were dispensed at an average cost of 94·64d. per prescription.

NEW PRODUCTS AND PACKS

Appetite Suppressant. — Upjohn of England, Ltd., Fleming Way, Crawley, Sussex, have launched a new speciality Didrex (chemically (+)N-benzyl-N, alpha-dimethylphenethylamine hydrochloride), a new appetite suppressant for control of exogenous obesity. Didrex is a product of the company's research. It is available as 25-mgm. tablets in bottles of fifty and 100.

Tablets Against Peptic Ulcer.—Merrell-National (Laboratories), Ltd., 20 Savile Row, London, W.1, announce the introduction of a new speciality, Kolantyl N.V., for use in the treatment of peptic ulcer, etc., which combines the therapeutic advantages of Kolantyl in a palatable tablet that dissolves easily and completely without, it is understoood, any unpleasant after-taste. The tablets are issued in strips of six in cartons of twenty-four and 120.

Blood-circulation Test. — Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches, announce that Disulphine-blue intravenous injection is now available. Disulphine-blue is for use as an intravital dye as a simple and direct visual test of the state of the circulation in normal and damaged tissues. It is understood to be of particular value in the accurate diagnosis and surgical management of burns and soft-tissue trauma, especially the more severe crush and torsion-avulsion injuries. The dye injection technique may be applied to other branches of general surgery, plastic, orthopaedic, ophthalmic and neurosurgery. An amount of 0·25–0·5 mils per kilo of body weight, given by slow intravenous injection, is stated to be satisfactory for most cases. Disulphine-blue is issued as a 6·2 per cent. sterile solution in box of ten 10-mil ampoules.

"Anti-nappy-rash" Cream.—S. Maw Son & Sons, Ltd., Aldersgate House, Barnet, Herts, have introduced, through chemists only, Maw's "anti-nappy-rash" baby cream formulated "to soothe and promote healing, to destroy the germs that cause nappy rash, and to help prevent further infection." User tests are understood to have elicited a universally favourable reaction to the soft texture and absence of skin drag of the product. The inclusion of lanolin makes the cream effective in routine use against dryness, wind burn and chapping. The cream is issued in a cartoned tube in display outer.



Turkish-bath Tablets.—F. Hulse & Co., Ltd., Woodlesford, Leeds, announce the first of a range of toiletries



—the Hulsena homc Turkish bath. Marketed in two perfumes (lavender for men, bouquet savon for women), the tablets are wrapped in blue or pink transparent tissue according to perfume, and packed in individual cartons in a display outer of 1 doz.

Adjustable Sanitary Belt.—Kimberly-Clark, Ltd., Larkstone, nr. Maidstone, Kent, announce a new adjustable sanitary belt for Kotex users. The belt is entirely woven. A window carton, 4 x 2 in. in size, shows the width of elastic and the belt's exclusive gripper, and gives adjustment instructions.

Battery Shaver.—For use "at any time, anywhere," Pifco, Ltd., Pifco House, Watling Street, Manchester, 4, have produced the Pifco "Holiday" battery shaver. The shaver may be used in a car, on a train, on the beach or in a boat. It is battery-operated and gives, it is claimed, "a smooth, rapid shave." The battery is a 1½-volt U2 torch battery available throughout the world and providing power "for weeks of easy shaving." The case in which the shaver is housed is in grey plastic.

Vanishing Hair Spray.—Claimed to be the world's first vanishing hair spray, Go Gay by Helene Curtis is issued in an aerosol pack in three formulations, for oily, normal and dry hair. It is the first product distributed by Misgo Products, Ltd., 6 Albemarle Street, London, W.1, a company formed to distribute Helene Curtis products in the



United Kingdom. Go Gay is not a lacquer and it is claimed not to accumulate and stiffen the hair into a brittle, "difficult" condition. After holding a hair style during the day Go Gay disappears entirely overnight, leaving no flakes or stickiness. The lanolin content helps to lubricate the hair. To launch the product, with each can of Go Gay will be given a free handbag size spray which may be filled from the larger container.

A Larger Size. — Newey Brothers, Ltd., Brearley Street, Summer Lane, Birmingham, 19, have launched a brush roll of larger size but complementary to the existing standard size. It is available in pink or blue colour, three to a card.

Impregnated Lens Tissues. — May Roberts, Ltd., 47 Stamford Hill, London, N.16, are distributors for the General Paper and Box Manufacturing Co., Ltd., Pontypridd, Glamorgan, of Gleam impregnated lens tissues, packed fifty sheets to a "dispenser," twenty-four "dispensers" to a display outer.

Sandwich Bags.—Mondart, Ltd., 49 Park Lane, London, W.1, are issuing a pack of 100 7 x 8½-in. polythene bags for sandwiches. The bags, state the makers, "are so cheap that they are disposable and good for a lot of repeat sales." The trade pack is a carton of twenty-four.



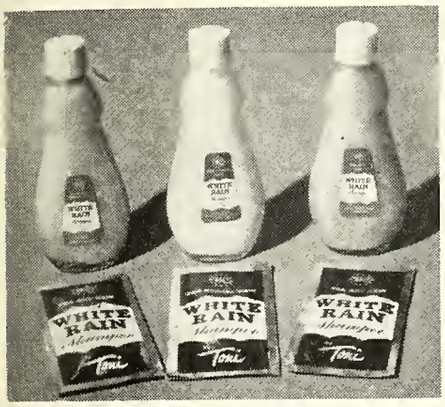


Left: Dorant mouth-wash container in display-piece, as marketed by Dorant Laboratories, Ltd., 91 Amhurst Park, London, N.16. Right: Window carton in which Passport perfumed hair-lacquer spray is issued by Goya, Ltd., 161 New Bond Street, London, W.1.

TRADE NOTES

A Third Size.—West Pharmaceutical Co., Ltd., have made available a 2-oz. tube of Cremalgin in addition to the existing 1-oz. tube and 1-lb. jar.

Distributors Appointed. — Lantigen (Export), Ltd., announce that, from July 1, the distribution of Delagar bath pearls is being handled by Marketing Facilities, Ltd., 197 Lyham Road, London, S.W.2.



TWO PACKS, THREE VARIETIES: Produced in variants for oily, normal and dry hair, White Rain shampoo is issued by Toni Co. (division of Gillette Industries, Ltd.), Harlequin Avenue, Brentford, Middlesex, in single-shampoo sachet and shaped glass bottle containing 52 gm.

Joint Owners Form Company.—Allen & Hanburys, Ltd., and The British Drug Houses, Ltd., joint owners of A.B. brand insulins, have formed a company, A.B. Insulin, Ltd., to deal with those products. Distribution arrangements in the trade are unaltered.

Holiday Closing. — Inter-Alia Pharmaceutical Services, Ltd., Sibley Grove, Manor Park, London, E.12, announce that their offices will be closed for two weeks from July 10. Urgent messages are being taken at Grangewood 6266 between 2.30 and 4.30 p.m. each day.

Works Holiday. — The Newhaven, Sussex, factory of Vacco, Ltd., vacuum flask manufacturers, will be closed for annual holidays from July 28 to August 15. A skeleton staff will be maintained. The London sales office at Grosvenor Gardens House, S.W.1. (VICtoria 8785) will operate as usual.

Northern Ireland Service Centre. — Sunbeam Electric, Ltd., Nerston, East Kilbridge, Glasgow, opened their first service station and sales centre in Northern Ireland on July 1 at 37 Chichester Street, Belfast (telephone: Belfast 27157).

Modifications in a Range of Products. — A. Wander, Ltd., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1, point out that the streamlining of pack sizes of their Aminacyl, sodium and Aminacyl calcium PAS has given some customers the impression that the whole range has been discontinued. That is not so. They have in fact standardised the packs, a move considered advantageous to all concerned.

Now on General Release. — Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, announce that their speciality Tryptizol, which was on limited release earlier in the year, has now been released for general medical promotion. Tryptizol tablets are available in bottles of 100 and 500 10-mgm., and thirty, 100 and 500 25-mgm. tablets. The product is in schedule 4B of the Poisons Rules.

Discontinued. — ALLIED LABORATORIES, LTD., 140 Park Lane, London, W.1, have discontinued the 1,000-tablet pack of Antoin, and from July 17 the 500-tablet pack becomes the largest individual unit offered. Stocks of 1,000's held by wholesalers, etc., are not being replaced or returned, but will continue to be issued against retail demand until exhausted. — A. WANDER, LTD., 42 Upper Grosvenor Street, London, W.1, have discontinued the manufacture and supply of Wander brand malt and oil, own name brand malt and oil, and Vimaltol.

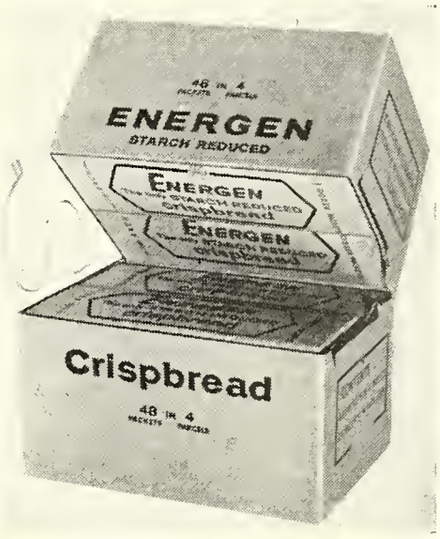
Distribution Changes.—E. H. BUTLER & SON, LTD., 5 Brunswick Street, Leicester, have taken over the packing and distribution of Harvester malt with cod-liver oil, formerly distributed by Dalmas, Ltd., Leicester. — R. T. R. MALYNN, LTD., 5 Russia Row, Milk Street, London, E.C.2, are now distributing the Arcancil and Guitare preparations of Valdor Laboratoires, France, formerly distributed by B.G.P. Cosmetics, Ltd., London, W.8—MAYBORN PRODUCTS, LTD., have discontinued the distribution of Scentinel products, which is now being undertaken direct by the manufacturers, New Hygiene, Ltd., 266 Holloway Road, London, N.7.

Anti-peck of Peas.—The manufacturers of Thram anti-pecking spray for poultry, Gerhardt-Penick, Ltd., recently received from Mr. A. J. Curtis, Norwich, a letter in which he wrote: "I should like to inform you that I have found your product Thram very useful in my garden. The birds were pecking my peas, lettuces and polyanthus. I was at my wits end what to do. Then I realised that I had some Thram, which I had used for anti-feather pecking in chicks. I used the spray once on the garden and repeated it after much rain. After two or three applications the birds left the crops alone, so there was no fear of tainted foods. I have tried this out for the past two years with very satisfactory results."



POLIO VACCINE PURCHASERS: Photographed at the polio vaccine unit of Pfizer, Ltd., Sandwich, Kent, with members of the production staff are Mr. Yoshito Ushimaru (director of the Pharmaceutical and Supply Bureau, Japanese Ministry of Health) and a colleague. During their visit it was announced that the Japanese Government was accepting nearly one million doses of the Sabin oral vaccine for field trial work. The company have already supplied the United States Public Health Authority with over one million doses. Material submitted to the British authorities at the beginning of 1961 should be available for use shortly after securing approval in the exacting tests it is required to pass.

A Handier Outer.—From early July, Energen crispbread is being sent out by the makers, Energen Foods Co., Ltd., London, N.W.10, in a new tear-strip



case that provides additional convenience in warehousing and distribution. The new case contains 4 doz. 1s. 6d. packets packed in separate dozens. When the tear-strip is removed the case splits into two separate containers, each of which holds two 1 doz. packets.

Prize Film. — At the recent International Film Festival at Cannes, France, the Gillette cinema commercial "G-Man Faces Trouble" was awarded second prize in its class. "G-Man" is one of two Gillette commercials at present on circuit in 1,784 cinemas throughout the country. Its success follows not long after the award of a first prize to another Gillette commercial (at the Venice Film Festival in 1958). In "G-Man" a detective called "G" (for Gillette) dramatically comes to the rescue of a girl whose face has been suffering from the lazy shaving habits of her man. On the spot he prescribes Blue Gillette Extra for the delinquent shaver, and harmony is restored: "G-Man" has fulfilled his purpose of keeping the "shaves in this town *clean*."

Fancy Goods from France. — The 1961 French Gifts and Fancy Goods Exhibition, June 13–15, organised by the French Costume Jewellery Manufacturers Association and members of associated industries, and held at Quaglino's, Bury Street, London, S.W.1, attracted over forty exhibitors. A wide range of matching lipstick cases fitted with automatic mirrors, pocket per-

fume vapourisers and powder compacts —were shown by CREATION PATRYS, 27 rue du Chemin Vert, Paris, 11 (agents, CREME SIMON (DISTRIBUTORS), LTD., 31A Bedford Street, London, W.C.2). The range included numerous finishes —mother of pearl, leather, enamelled, hand painted, etc. Matching combs and brushes are also available. Also shown were decorative pill or tablet boxes suitable for the handbag. Children's brush and comb sets were featured by FABIOLA, 2 rue des Haudriettes, Paris 3. A wide range of powder compact cases, hand mirrors, evening bags in gold metal and fancy pill or tablet boxes were shown by ETS MIREF, 69 rue d'Hauteville, Paris, 10. Attractive perfume vapourisers in a wide price range were featured by OURAGAN, 99 rue des Couronnes, Paris, 20 (agents, J. A. WALKO, Albany House, 324 Regent Street, London, W.1).

Christmas Showrooms

THE following are announced:—

DUBARRY PERFUMERY CO., LTD., Hove Park Laboratories, Hove, 4, Sussex.

BELFAST: Kensington hotel, September 11-22.
BIRMINGHAM: Grand hotel, September 4-8.
BRISTOL: Royal hotel, August 21-25.
CARDIFF: Royal hotel, August 28 to September 1.
EDINBURGH: Darling's Regent hotel, September 18-22.
GLASGOW: George hotel, September 4-8.
HANLEY: Grand hotel, September 26-28.
HULL: Royal Station hotel, August 21-25.
LEEDS: Great Northern hotel, August 28 to September 7.
LLANDUDNO: St. George's hotel, September 19-21.
LIVERPOOL: Adelphi hotel, August 28 to September 1.
MANCHESTER: Midland hotel, September 4-8.
NEWCASTLE-UPON-TYNE: Royal Turks Head hotel, September 18-22.
NORWICH: Castle hotel, September 11-15.

MORNY, LTD., 22 Wadsworth Road, Perivale, Greenford, Middlesex.

ABERDEEN: Station hotel, August 22-24.
BELFAST: Grand Central hotel, August 21-24.
BIRMINGHAM: Queen hotel, September 11-15.
BRIGHTON: Grand hotel, September 18-22.
BRISTOL: Royal hotel, August 21-25.
CARDIFF: Queen's hotel, September 4-8.
CHATHAM: Sun hotel, August 28 to September 1.
CROYDON: Greyhound hotel, September 4-8.
EDINBURGH: North Bristol hotel, September 25-28.
EXETER: Rougemont hotel, September 11-24.
GLASGOW: St. Enoch's hotel, August 28 to September 1.
HULL: Imperial hotel, August 21-24.
KENTON: Rest hotel, August 28 to September 1.
LEEDS: Great Northern hotel, August 28 to September 7.
LIVERPOOL: Adelphi hotel, August 28 to September 1.
MANCHESTER: Midland hotel, September 4-8.
NEWCASTLE: Royal Turk's Head hotel, September 18-21.
NORWICH: Castle hotel, September 11-14.
NOTTINGHAM: County hotel, September 4-8.
SOUTHAMPTON: Polygon hotel, August 21-24.
SOUTHEND: Hotel Victoria, August 21-24.

INFORMATION WANTED

The Editor would appreciate information about:

Allison Bartletts laxative
Irish violet perfume



PACKS FOR THE '60's: For a new speciality Snowbowl liquid toilet cleaner the makers Jeyes have adopted a lightweight plastic container, made for them by Cascelloid, Ltd., Abbey Lane, Leicester, shaped to be comfortably held in the hand and never to slip. The older speciality Sanilav, formerly issued in a metal canister, has also been given a lightweight plastic container with anchored plastic cap twisted to bring the sprinkler orifice opposite the flask outlet. It is made by Messrs. Cascelloid and as a Polytainer by Metal Box Co., Ltd., Baker Street, London, W.1.

Salford Factory Move. — The Griffiths Hughes pharmaceutical factory at Salford, Lancs, has been closed down and production transferred to the Nicholas Products, Ltd., factory at Slough, Bucks, the move to be spread over a period so as to avoid any hardship resulting from redundancy. Employees at the Hazel Grove plant of British Schering, Ltd., have also been told that production there is to be transferred to Slough and to the Chester factory of Graesser Salicylates, Ltd. (All three firms were recently merged with the Aspro-Nicholas group.) Every effort has been made to find alternative employment for employees who will be made redundant.

Bonus Offers

HELENE CURTIS, 6 Albemarle Street, London, W.1. Go Gay hair spray. 5 per cent. on introductory order for 3 doz. Orders through Misgo Products, Ltd., 6 Albemarle Street, London, W.1.

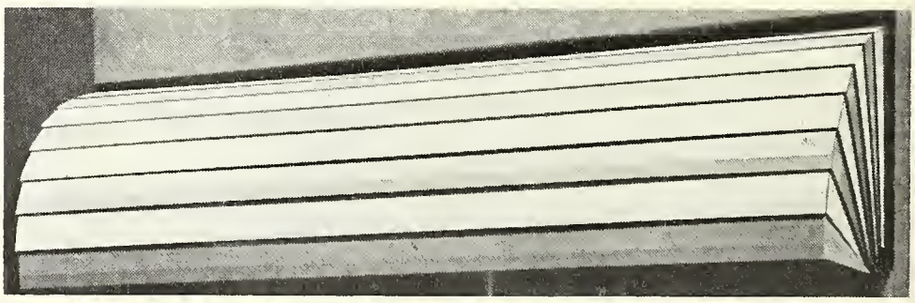
NICHOLAS PRODUCTS, LTD., Slough, Bucks. Lifeguard disinfectant. 5 per cent. bonus (in addition to fourteen-to-doz. terms now available) on parcel of 3 doz. large.

RONSON PRODUCTS, LTD., Ronson House, 352 Strand, London, W.C.2. Ronson shavers. One Ronson C.F.L. shaver free on order for three or more of any type (limit: one free shaver per retailer).

SHOPFITTING AND DISPLAY NOTES

Sun Awning.—Venetian Vogue, Ltd., 240 Bath Road, Slough, Bucks, offer in their Sunway awning which is made of pre-shaped aluminium section, a fully retractable, all-weather protection throughout the year, for shop windows. Made from a special corrosion-resisting aluminium alloy treated with a weather-proof paint, the awning, which has side-pieces, is available in any combination of colours in the range white, red, cream, blue, green and yellow. The awning may be sign written or fitted with an inside light to illuminate an entrance or window. The makers claim that the only maintenance required is an occasional wash down with a mop or hose. The awning is available in sizes ranging from 3 to 15 ft. wide, with a range of projections from two to 4 ft.





Reinforced Brackets.—A new type of cantilever shelving — using wooden brackets reinforced internally with steel—has been introduced by Remploy, Ltd., Buckingham Gate, London, S.W.1. Known as Rembrac, the brackets, with their complete absence of front supports, should prove ideal for many display purposes. Rembrac consists of wall bars each 6 ft. high, which are fastened direct to the wall, and the brackets, which are supplied in graduated lengths from 6 to 18½ in., are made from natural abura (African hardwood) into which a patented mild steel holding bracket is inserted. Lugs on the bracket engage with slots punched out on the face of the wall bars. Shelving is placed on the brackets and attached by means of fixing plates.

Shelves. — Prefabricated shelving in wood, available from REMPLOY, LTD., 415 Edgware Road, London, N.W.2, may be assembled by the pharmacist and his staff without assistance from others; it is held by interlocking bars that fit into one another.—Free delivery of heavy-gauge steel shelving is offered by ROCHDALE METAL PRODUCTS, Devon Street Works, Rochdale, Lancs.

Filtration through Plastic Membranes

FURTHER USES FOR POLYTHENE AND CELLULOSE ESTERS

IN so many fields are plastics being preferred to metals, glass and paper that the appearance of a plastic filter as a challenge to the more traditional types may be accepted without surprise. Equal thought has been given to the potentialities of porous plastic filter beds for clarifying galenicals and for producing sterile solutions.

The plastic filters at once offer an advantage over their predecessors in both of those applications. In the filter press there is the assurance that, if a plastic membrane is used, the marc may be compressed to express virtually all menstruum without the risk that some of the filter material becomes detached. For the purposes of microfiltration the pore size of a plastic filter may be controlled, too, to within a fraction of a micron—an accuracy that cannot be achieved in sintered metal or glass.

Determining Incompatibilities

There are, of course, organic solvents that will dissolve one or other of the plastics at present in use as filter materials, and care has to be taken to investigate the properties of each plastic before adopting it for use in a given process. The problem of adsorption of solutes by plastics also arises. It is being investigated, particularly with regard to alkaloids, by the Department of Pharmaceutical Sciences of the Pharmaceutical Society.

Two porous plastics have so far been developed for purposes of filtration. The first, known as Vyon, is derived from high-density polythene of the Ziegler type, and is manufactured by POROUS PLASTICS, LTD., Dagenham Dock, Essex. It has an average pore size of 50 microns, and is therefore recommended for such purposes as air fluidising of powders, ordinary filtration of liquids, and removal of particles from gases. A noteworthy development has been the adoption of Vyon filter candles at the Windscale, Cumberland, plant of the United Kingdom Atomic Energy Authority for filtering out active chemicals. A number of pharmaceutical manufacturers are in process of evaluating the product for their own purposes.

Blends of different cellulose esters, or, in one product, pure cellulose acetate, have been developed by other companies mainly for separating bacterial and viral cultures and for uses in electrophoresis. The field has been widened to bring in galenicals by the production of filter presses suitable for taking cellulose membranes. Examples are offered by BRITISH FILTERS, LTD., Maidenhead, Berks (all-glass, taking 14-cm. diameter membrane); GALLENKAMP & CO., LTD., Sun Street, London, E.C.2 (metal, taking 5-cm. membrane); and QUICKFIT & QUARTZ, LTD., Stone, Staffs (glass, taking 6-cm. membrane).

Oxoid membrane filters of cellulose acetate, manufactured by the synthetic fibres manufacturer Courtaulds, Ltd., for OXO, LTD., Thames House, Queen Street Place, London, E.C.4, have been tried with some success in the pharmacy department of Barnet General Hospital, Barnet, Herts, for pressure-clarifying solutions. Being not more than 120 microns thick, the membranes must be incorporated on to a material that offers adequate support; the Oxoid filters were first supplied attached to a resin-bonded sheet but are now supported upon Terylene.

Another cellulose-ester filter coming into use is the American Millipore, distributed in the United Kingdom by V. A. HOWE & CO., LTD., 46 Pembridge Road, London, W.11, and by THERMAL CONTROL CO., LTD., Marine Works, Sackville Road, Hove, Sussex. Like the Oxoid filter, the Millipore offers a high flow rate of liquids with minimal pressure differential. Filters are available in ten porosity grades, ranging from 10 millimicrons (the approximate size of the polio virus) to 5 microns (of approximately equal porosity to a No. 4 sintercd-glass filter).

The manufacturers of that membrane, MILLIPORE FILTER CORPORATION, Bedford, Mass., U.S.A., also offer the filter in an adapter that may be fitted on to the end of a hypodermic syringe to enable a solution to be filtered after ejection from the syringe cylinder and before passing through the attached needle. Cellulose membranes may be sterilised by autoclaving, so that, if the adaptor and needle (presterilised) are fitted on to the syringe after solution has been drawn into it, the solution is sterilised during its subsequent release.

Means of Quick Sterilisation

The technique of producing sterile solutions immediately before injecting them has also been studied by the Medical Research Council, who have recognised the value of having a means of quick sterilisation of injections in cases of emergency. The M.R.C.'s attention was first drawn to the subject when a Dutch professor of microbiology demonstrated to them his "microfilter" syringe which incorporated a bacteria-proof cellulose membrane filter. Unfortunately the syringe was broken while in the hands of the Council. R. B. TURNER & CO., LTD., Inocula House, Church Lane, London, N.2, were asked to produce another, and that company have since improved on its design and added a valve at the top of the cylinder. That allows the syringe to be recharged when the barrel is depressed. The makers have found a particular German membrane to be the most suitable for use with their syringe, and they maintain that the initial problems such as leakage of solution through the adapter and possible rupture of the filter during use have now been overcome. The Turner syringe and filter (5- and 20-mil sizes) have been used at Barnet General Hospital and also in the pharmacy department of Chase Farm Hospital, Enfield, Middlesex, where tests for sterility have been carried out on the filtrate, using *Chromobacterium prodigiosum*. The tests have proved the microfilter syringe to be satisfactory.

Of course, for routine sterilisation purposes, the British Pharmacopœial specification that all solutions sterilised by filtration shall be tested for sterility before use must always apply, but the application of membrane filtration in a compact syringe unit for emergency use deserves attention.

A Swedish filter recommended "for gentle and effective concentration of protein solutions" by its manufacturer, LKB-Produkter, AB, Stockholm, is the latest piece of apparatus to incorporate a cellulose membrane. Firsh shown at the international chemical exhibition ACHEMA in Frankfurt, Germany, in June, it is known as LKB Ultrafilter. It consists of a nylon frame over which a sock of Visking cellulose dialysis tubing is drawn. (Visking is a product of the Visking Corporation, Chicago, U.S.A.). There is no evidence that the Visking membrane adsorbs solutes from solution, but a communication to *Nature*, June 24, suggested that the filter itself is liable to release into solutions a substance that has been found antagonistic to insulin. Further work will probably be undertaken to identify that substance.

The Ultrafilter has proved useful for concentrating protein fractions after chromatographic or electrophoretic separation and for concentrating dilute protein solutions (e.g., urine, spinal fluid) before analysis. Its potential uses lie in the separation of high-molecular colloids (mol. wt. $>$ 30,000) and concentration of bacterial suspensions. The filter will withstand autoclaving, so that filtration may be carried out under sterile conditions. It is being introduced into the United Kingdom by GALLENKAMP & Co. in September.

MAKERS' ACTIVITIES

Sales Conference.—Nicholas Laboratories, Ltd., Slough, Bucks, held a sales conference for their medical representatives in London recently. Among the projects discussed were the launching of Vascardin, a new coronary vasodilator. Mr. T. Addey, M.P.S., D.B.A. (home sales manager) presided.

"Miss Pears, 1961."—A cheque for £500 was handed by Lady Barnett to Julie Williams, aged 3¾, of 31A High Street, Newport Pagnell, Bucks, on July 4. Julie had just been judged winner of the 1961 Miss Pears "Preparing to be a Beautiful Lady" contest, from 64,000 entries (14,000 more than in 1960). Five other children were each given £50, a dress and a toy.

Freedom from Hunger Campaign.—Mr. B. R. Sen (Director-general of the United Nations Food and Agricultural Organisation) has announced the participation of CIBA, Ltd., Basle, Switzerland, in a Freedom-from-hunger Campaign being conducted by the Organisation. The project is designed to control or eradicate animal diseases, which cause substantial losses of food and other animal products. The partici-

pation of Messrs. CIBA in the project is to be fourfold. The company will contribute the costs of a field survey in Latin America, will supply free any CIBA products needed by F.A.O. experts in their field trials against animal diseases, and will further donate such products to governments for the same purpose upon F.A.O. recommendation. The company has also offered to underwrite the preparation of a technical publication on distomatosis.

Staffordshire Company's Success in Moscow.—"We've sold everything on our stand, and we are hoping for some substantial orders. We expected plenty of inquiries but this surge of interest has exceeded all our expectations," was the report on the British Fair, recently ended in Moscow, from Mr. E. L. Harrison (sales director, Quickfit & Quartz, Ltd.). The company has thus repeated its performance of last year when it staged the first exhibition of British scientific glassware in Russia, which was organised by the Scientific Instrument Manufacturers' Association. The team went on to West Germany to attend the Achema international chemical industries exhibition.

Snappy. — Eight attractive Kodak girls, wearing sunsuits in the familiar blue-and-white stripes, are touring nineteen seaside resorts betwen now and September 2. They are all photographically trained, and as they mingle with holidaymakers on the beaches and promenades they will act as walking "advice bureaux" and will gladly help any snapshotters who care to seek their advice on simple photographic problems. In addition, each Kodak girl will carry a supply of free booklets containing hints for better holiday snapshots. They will also be photographing holidaymakers for the "Happiest Holidaymaker" competition. Each town they visit will have its own contest and the holidaymakers in the prize-winning picture will be awarded a Kodak camera to the value of £10. The following towns are being visited: Brighton, Hastings (July 7–14); Broadstairs, Margate (14–21); Yarmouth, Clacton (21–28); Scarborough, Skegness (July 28 to August 4); Morecambe, Southport (August 4–11); Rhyl, Southport (11–18); Paignton, Teignmouth, Weymouth (18–25); Southend (August 25 to September 2).

Plastics Progress Displayed

"MAMMOTH" INTERNATIONAL EXHIBITION IN LONDON

INGENUITY in plastics design reached its summit during the fortnight June 21 to July 1, when over 350 exhibitors put on a mammoth display at Olympia, London. The occasion was Interplas 61, the biennial international plastics exhibition and convention organised jointly by the British Plastics Federation and the journal *British Plastics*. The many thousands of finished products on view demonstrated the contributions of the plastics industry in the manufacture of consumer goods and industrial components. Displays of fabricating and ancillary equipment highlighted advances in production techniques.

Packaging was well featured, with displays of blow-moulded bottles, sachets and squeezable and roll-on tubes made mainly in low-density materials. Manufacturers exhibiting these containers included the plastics group of the METAL BOX CO., LTD., 37 Baker Street, London W.1 (Polytube polystyrene tubes and poly-tainer plastic bottles), and FIBRENYLE, LTD., Skylon House, Park Royal Road, London, N.W.10 (Skylon moulded polythene bottles and jars).

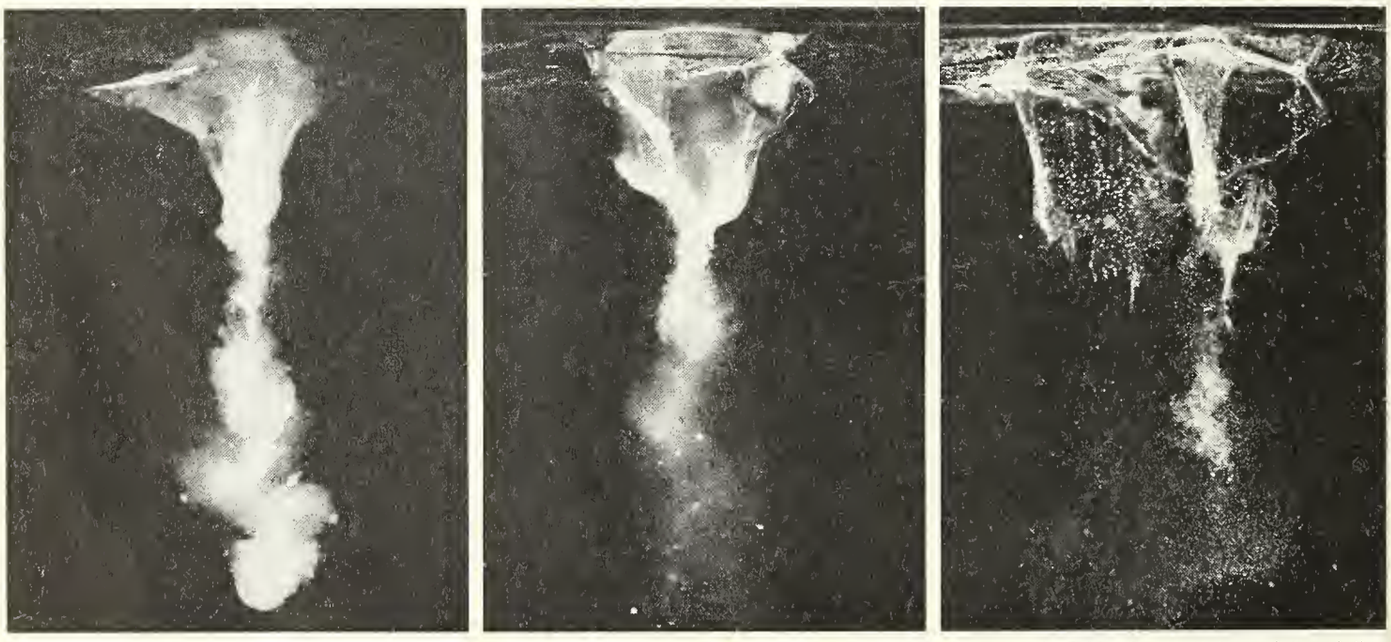
Transparent polythene and nylon films were shown as wrappers, and expanded polystyrene was offered for the impact-resistant packaging of fragile materials and instruments.

A resealable blow-moulded polythene bottle of low cost (threepence for a 1-pint size), though perhaps lacking in finish so far as products for counter sale are concerned, has obvious uses for such liquids as detergents and disinfectants; it is made by LACRINOID PRODUCTS, LTD., Gidea Park, Essex.

A water-soluble polyvinyl alcohol sachet, Pevalon (see illustration), was shown by M. & B. PLASTICS, LTD., 23 Eastcastle Street, London, W.1; though used for some years for packaging technical products, the material has only recently been developed for consumer and industrial goods. Its immediate future is envisaged as being in the packaging of photographic developers, dyestuffs and irritants, and possibly detergents.

THE PLASTIC BOX CO., LTD., White Hart Court, Market Rasen, Lincs, showed a range of polystyrene containers and a plastic disposable hypodermic syringe. FIBRENYLE, LTD., also showed "the first British plastic milk bottle," made of polypropylene. The same polymer, under its brand name Propathene, was featured by IMPERIAL CHEMICAL INDUSTRIES, LTD., Millbank, London, S.W.1, who also showed their polyvinyl chloride materials and polyurethane chemicals.

BRITISH CELANESE, LTD., 22 Hanover Square, London, W.1, featured chemicals (cellulose acetate, vinyl acetate monomer, epoxy resin plasticisers, etc.)



THREE STAGES IN DISINTEGRATION: Pevalon water-soluble sachet ruptures on immersion, releasing contents (left); the contents go into solution (centre); the sachet rapidly disintegrates (right) and within a minute is itself dissolved.

The Swedish plastics industry was well represented, a feature being the display of plastics signs by INTERPLAST, AB, Stockholm. The sign is of PVC, and the lettering is protected by an outer plastics film.



'Marzine'
TRADE MARK

ADVERTISING HITS TRAVEL PEAK

Every week now millions are taking their Summer holidays, men, women, children. Travelling in buses, coaches and cars; in cruise liners, ferryboats, yachts and other small craft. Many will be travelling by air for the first time. This is the vast potential market to which you can sell ever-increasing quantities of 'MARZINE'—at good profit to yourself. To match this peak travel season we support you with peak advertising in these mass circulation newspapers and magazines.

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WOMAN'S MIRROR · WOMAN'S OWN · WOMAN'S REALM

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Wherever she is—she's sold o



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ICI IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON · S.W.1

CUMULATIVE LIST OF AMENDMENTS TO THE C.&D. Quarterly Price List

JUNE 1

No. 5 (247 Chanel)
parfum de toilette
atomiser **45 0**
refill **27 6**
Delete spray Cologne .. .. 300 .. .. ..
Actina (8 Actina)
lens hood alloy 22–42 mm 2 10ea 8ea **4 11**
Adcortyl-A (1176 Squibb)
ophthalmic ointment 3·5 gm 4 6ea .. **6 9** TS
with **Graneodin** 3·5 gm 5 0ea .. **7 6** TS
Adetate (837 MSD) 16 oz 9 0ea .. †s4B
Alasil (1303 Wander)
Delete juvenile all sizes
Alncetyn (34 A&H)
Delete cream .. .. .. 1 oz
for eye drops .. .. 42 0 **5 3** TS
All Day (451 F&J)
deodorant stick .. 15 0 7 6 **2 6**
Allenbury's (34 A& H)
pastilles glycerin and
blackcurrant 2 oz 17 3 .. .. **1 11**
1 lb 103 0 .. .. **11 6**
Delete diet .. .. .. 1 lb
Allercur (1107 SAGB)
(distributors 973 Pharmethicals)
ointment 500 gm .. 30 0ea .. **45 0** †s7
Delete 300 gm
All Out (931 PDC)
tube dispenser **6**
Alocol (1303 Wander)
Delete tablets 500 & 1000
Aminacyl (1303 Wander)
Delete sodium PAS powder 100 gm & 250 gm
Delete cachets 1·5 gm 250
Delete tablets 0·4 gm all sizes
0·5 gm 100, 250 & 1000
0·75 gm 100, 250 & 1000
Delete calcium PAS powder 100 gm, 250 gm & 1000 gm
Delete cachets 1·5 gm 250
Delete tablets 0·5 gm 100, 250 & 1000
0·75 gm 250 & 1000
Delete Amyl nitrite (787 Macfarlau) all sizes
Anaflex (503G)
cream tube .. 30 gm 56 0 .. ..
paste tube .. 20 gm 43 0 .. ..
powder tin .. 30 gm 56 0 .. ..
Andre Philippe (48 AP)
bath cubes six 16 9 0 4 6 **1 6**
Delete brilliantine spray .. A7
Delete complexion milk .. 13
Delete dimple Scotch heather 7
Delete Devon violet .. 7
Delete lanolin hand cream .. 12
men's cream shampoo sachet
105 3 4 10 **6**
Delete perfume story book .. X1
Delete shampoo 4 oz. .. 22
Delete suntan spray A9
Anita (473 FJ)
coconut-oil shampoo .. 13 8 3 5 **2 0**
colorised hair lacquer 27 0 13 6 **4 6**
refill .. 18 0 9 0 **3 0**
crystal clear setting
lotion 12 0 6 0 **2 0**
Antidol (757 Lewis)
tablets .. .. .. 20 25 0 .. .. **3 1½**
100 108 0 .. .. **13 6**
500 520 0 .. .. **65 0**
Antrypol BP (6491C1) not BPC
Arrowtabs (62A)
Arrowbrush lipstick style **5 11**
Arrowmaster anti-static **8 6**
Arrowgard sleeves only 24 .. .. .. **5 6**
Arrowmounts .. .. 90 .. .. .. **1 0**
250 .. .. .. **2 6**
Delete Artoral (908 Oatine)
Insert **Artoral** (1282 VB)
Artra (1330 WL)
skin tone cream .. 2 oz 60 0 30 0 **10 0**
Aspro (894 Nicholas) 3 doz 45 2 11 3½ **1 11**
26 9 6 8¼ **3 5**
Astral (509 Gibbs)
cream 9 9 4 9 **1 6**
16 0 7 9½ **2 6**
28 6 13 10½ **4 6**
soap toilet 9 0 2 2¼ **1 1**
bath 13 0 3 2 **1 7**

Barquinol HC (502 Genatosan)
10 gm .. .. .. 40 0 .. **5 0** TS
Basque (682 KCL)
contlueutal suntan oil 33 0 16 1 **5 6**
53 0 25 10 **8 9**
Bathjoys (1037 Reckitt)
bath cubes 2 6½ 1 3 **5**
Beaucaire (100 Beaucaire)
cleaning fluid .. 1 gall 360 0 .. .. **39 0**
Bell's (107 Bll&L)
foot bath powder .. 5 2 1 3½ **9**
sunburn milk .. .. 4 oz 21 0 10 6 **4 0**
Cemaco (142 BML)
tablets 10 .. 23 4 5 8 **3 5**
dp 25 .. 51 3 .. .. ..
dp 100 .. 120 0 .. .. ..
dp 1000 .. 80 0ea .. ..
Bemasulph (142 BML)
tablets 25 .. .. 45 0 .. .. **5 7½**
Benevit (588 H&H) tonic 28 6 7 0 **3 9**
Betalax (714 Koray) 4 doz 22 6 5 7½ **9**
Delete Biligrafin (1107 SAGB) single ampoules
Bilora (8 Actina) cameras
Bella super 44 and 46 .. .. .. **119 9**
66 .. .. .. **127 0**
Bitevan (436 Evans)
ampoules 50 mcgm 10 mils 30 0 .. .. **3 4**
100 mcgm 1 mil 6 30 0 .. .. **3 4**
10 mils 34 6 .. .. **3 10**
1000 mcgm 1 mil 3 48 0 .. .. **5 4**
10 mils 144 0 .. .. **16 0**

THIS WEEK'S CHANGES AT END OF LIST

Black Opal (1063 Rimmel)
cleansing milk .. 27 0 13 6 **4 6**
cold cream 27 0 13 6 **4 6**
Cologne 39 0 19 6 **6 6**
deodorant roll-on .. 27 0 13 6 **4 6**
spray .. 33 0 16 6 **5 6**
face powder 27 0 13 6 **4 6**
compressed 27 0 13 6 **4 6**
hand cream 27 0 13 6 **4 6**
lipstick 27 0 13 6 **4 6**
liquid liner 27 0 13 6 **4 6**
liquid make-up .. 27 0 13 6 **4 6**
mascarola 33 0 16 6 **5 6**
moisturising film .. 27 0 13 6 **4 6**
nail lacquer 27 0 13 6 **4 6**
pearlised 33 0 16 6 **5 6**
perfume 39 0 19 6 **6 6**
shadow stick 27 0 13 6 **4 6**
skin food with vitamins 33 0 16 6 **5 6**
talcum 33 0 16 6 **5 6**
toning lotion 27 0 13 6 **4 6**
vanity case 75 0 37 6 **12 6**
Bourjois (150 Bourjois)
baby soap (3) 9169 17 4 4 4 **2 6**
Bralium (533 Grabowski)
lotion 0·5% .. 100 gm 8 0ea 2 0ea **14 0**
2% .. 100 gm 8 7ea 2 2ea **15 0**
3% .. 100 gm 9 1ea 2 3ea **16 0**
4% .. 100 gm 9 8ea 2 5ea **17 0**
5% .. 100 gm 10 4ea 2 7ea **18 0**
Bromural (708 Knoll)
tablets .. .. .. 20 29 0 .. .. **3 3** †s4B
200 11 6ea .. **15 4** †s4B
Delete Bronchipax (894 Nicholas) 72
Delete Bronchovydrin (802 Martindale) ½ oz
Cafdis (1037 Reckitt) .. 20 13 4 3 3 **1 9**
Carbomucil (896 NPP .. 4 oz 36 0 9 0 **4 9**
Carovax (208 BW)
pasteurella vaccine (vet) 50 cc 10 6ea .. **15 9**
Casino (234 Cartwright)
overnight tan 30 0 15 0 **5 0**
suntan spray 20 0 10 0 **3 9**
supertan aerosol .. 34 0 17 0 **5 9**

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Cataline (1101 Sangers) .. 40 0 10 0 **5 3**
Cecil Wood (1345 CW)
chest and lung mixture 16 6 4 1½ **2 3**
head powders 16 25 0 6 3 **3 3**
influenza powders .. 9 15 0 3 9 **2 0**
25 39 0 9 9 **4 10**
Celabs (727 Lane) .. 36 16 1 4 0 **2 3**
Chandau (116 Benton)
deodorant spray .. 18 0 9 0 **3 6**
refill 15 0 7 6 **2 6**
hair nets .. .. doz 2 9 .. .. **3 11**
hair lacquer spray .. 23 6 11 9 **4 4**
14 0 7 0 **2**
Hi-Shine aerosol .. 39 0 19 6 **6 6**
Chantilly (Houbigant (1 Abbey)
Delete perfume 105·38
Delete 105·91
talcum tin .. 149·18 .. .. .. **7 6**
Charabs (727 Lane) .. 36 16 1 4 0 **2 3**
Delete Chardox (411 EGH)
Insert **Chardox** (894 Nicholas)
Codis (1037 Reckitt) .. 8 10 10 2 7½ **1 5** †
20 21 0 5 1½ **2 9** †
Colgate (280 CP)
shaving cream brushless
tube 20 10 5 2 **2 9**
30 4 7 6 **4 0**
jar 30 4 7 6 **4 0**
lather tube 20 10 5 2 **2 9**
Cooltan (682 KCL)
polythene "travler bottle" 30 3 14 7½ **5 0**
Cortelan (518 Glaxo)
Delete eye ointment .. 3 gm
Cortril (969 Pfizer)
Delete snuff capsules 15 mgm 5 and 25
topical ointment non-greasy
Delete 1% 200 gm and 2·5% 200 gm
Courtesy (337 Curtis)
cleansing cream .. 8 oz 36 0 18 0 **6 6**
lotion .. 4 oz 15 0 7 6 **3 3**
Cremalgin (1320 WP) .. 2 oz 37 6 9 4½ **5 6**
Delete Cynomel (1153 SKF) 25 mcgm 100
Dalzoband (347 Dalmas)
zinc paste bandage
3½×6 yd. No. 2, 2X,
3, 4, 5, 6, 6X .. 28 6 .. .. **3 4**
No. 20 .. .. 29 6 .. .. **3 6**
Dapsodine (358 D&S)
intramammary tubes 12 231 0 .. .. **27 6** †s4B
syringes .. .. 12 280 0 .. .. **35 0** †s4B
Decadron (837 MSD)
injection vial 2 mils .. 21 0ea .. **31 6** TS
Decaspray (837 MSD) 50 mgm 15 0ea .. **22 6** TS
Delaminoph (142 BML)
tablets 25 .. .. 30 0 .. .. ..
100 .. .. 100 0 .. .. ..
500 .. .. 33 0ea .. ..
Delamised (142 BML)
tablets 25 .. .. 32 0 .. .. .. †s4A
100 .. .. 108 0 .. .. .. †s4A
500 .. .. 35 0ea .. .. †s4A
Denclen (994 P&M) ..6650 18 3 4 7 **2 8**
Dequadin (34 A&H)
paint 0·5% 28 mils .. 72 0 .. .. **9 0**
Dequalone-P (34 A&H) 15 gm 120 0 .. .. **15 0** TS
Delete Deriphyllin (221 Camden) all sizes
Diajubes (588 H & H) .. C1 14 0 .. .. **1 7**
Dindevan (436 Evans)
tablets 10 mgm .. 100 120 0 .. .. **15 0**
500 468 0 .. .. **58 6**
50 mgm .. 25 66 0 .. .. **8 3**
100 216 0 .. .. **27 0**
1000 1404 0 .. .. **175 6**
Disprin (1037 Reckitt) .. 8 5 6 1 4 **9**
26 14 5 3 6 **2 0**
foil 28 14 5 3 6 **2 0**
50 24 0 5 10 **3 4**
junior 16 5 6 1 4 **9**
Distaval (378 DCBL)
suspension 60 mils .. 3 0ea .. **4 6** p1s4B
Dodds (800 TM)
kidney pills 36 0 9 0 **4 9**
Dor (563 Hampshire)
aerosol .. .. 375 0 gross 185 0 gross **5 0**
Dorant (718 LAB)
mouth wash .. .. 2 oz 24 0 6 0 **3 6**
Drummer (406 WE)
firellghters .. .. 183 0 gross **1 9**
Durst (980 Photopia)
automatlca camera .. D94 456 0ea 111 2ea **795 2**
case .. D95 34 4ea 8 4ea **59 10**
Delete six-six camera D111
Edixa (980 Photopia)
camera stereo III E300 396 2ea 96 6ea **690 9**

Edixamat (980 Photopia)
camera reflex standard E178 929 0ea 226 6ea **1620 0**
flex B .. E182 688 0ea 167 8ea **1199 8**
Delete flex AL E185
reflex B E198 658 0ea 160 5ea **1147 5**
reflex C E199 757 4ea 184 7ea **1320 7**
reflex D E200 757 4ea 184 7ea **1320 7**
Efcortelan (518 Glaxo)
lotion aerosol 0·5% 30 mils 8 6ea .. **11 4** TS
with neomyciu 30 mils 9 0ea .. **12 0** TS
Elimit (221 Camden)
tablets .. .. .. 100 18 4½ea .. **24 6** †s4B
500 79 10½ea .. **106 6** †s4B
Elimix (649 ICI) vet
Delete tin 1 lb
Delete Endografin (1107 SAGB) single ampoules
Etisul (649 ICI)
Delete cream 5 gm
Etisul T (649 ICI)
Delete cream 5 gm
Insert cream .. .. .. 32 0 .. .. **4 0**
Delete Eucortone (34 A&H) 10 mils
Eucryl (430 Eucryl)
tooth powder smokers 14 8 3 8 **2 0**
Delete Eulagen (770 LP) pills 50
Delete Euphagiu (221 Camden) all sizes
Express (1036 RB&C)
powders 8 13 1 3 3 **1 10**
22 33 7 8 5 **4 6**
48 6 0ea 1 6ea
120 14 10ea 3 8½ea
tablets 16 13 1 3 3 **1 10**
Falconers (800 TM)
golden compound .. 22 8 5 8 **3 0**
Febrifuge (663 GJ) .. 14 8 3 7 **1 10**
35 2 8 7 **4 5**
48 11 11 11 **6 3**
Fennings (1100 JS)
cooling powders adult 36 34 0 8 6 **4 6**
childrens 12×5 4 4½ 1 1 **7**
20 16 4 4 1 **2 2**
siugle powders 100 80 0 20 0 **2**
little healers 36 13 3 3 4 **1 9**
90 30 0 7 6 **4 0**
rheumatic tablets .. 45 19 0 4 9 **2 6**
Fields (462 Field)
Delete brushless shave .. 14 5 3 7¼ **2 1**
Insert French flowers
dusting powder .. 52 4 26 2 **8 9**
Cologne 36 0 18 0 **6 0**
perfume 24 0 12 0 **4 0**
French pink
dusting powder .. 52 4 26 2 **8 9**
French moss
dusting powder .. 52 4 26 2 **8 9**
Cologne 36 0 18 0 **6 0**
perfume 24 0 12 0 **4 0**
lavender water .. 30 0 15 0 **5 0**
Delete solid brilliantine
Flatterie (Houbigant (1 Abbey)
perfume .. 106·81 .. .. .. **31 6**
Delete 106·91
Folic acid (413 Lilly)
tablets 5 mgm .. 100 28 0 .. .. **3 6**
1000 180 0 .. .. **22 6**
Framygen (502 Genatosan)
sterile powder 500 mgm 17 0ea .. **25 6** TS
tablets 500 mgm .. 20 75 0ea .. **112 6** TS
100 290 0ea .. **435 0** TS
Delete Fresh Magic (876 MP) spray refill
Fumee (Lubin (1 Abbey)
Cologne concentree .. 319 .. .. .. **16 6**
320 .. .. .. **30 0**
perfume .. ..3260 .. .. .. **52 6**
2361 .. .. .. **85 0**
3262 .. .. .. **135 0**
Furadantin (1153 SKF)
tablets 50 mgm .. 25 15 7½ea .. **23 5**
250 143 6ea .. **215 3**
Gala (876 MP)
natural bloom 33 0 16 6 **5 6**
shadow stick refill .. 27 0 13 6 **4 6**
velvet powder refill .. 27 0 13 6 **4 6**
Galloways (430 Eucryl)
cough syrup 14 8 3 8 **2 0**
24 0 6 0 **3 3**
40 0 10 0 **5 6**
Gammexane (649 ICI)
insect powder sifter .. 1 lb 24 0 .. .. **3 0**
tin .. 7 lb 160 0 .. .. **8 0**
Gastrografin (1107 SAGB)
(distributors 973 Pharmethicals)
bottles 100 mils .. 1 33 4ea .. **50 0**
5 150 0ea .. **225 0**
Genacort (502 Geuatosan)
lotiou 0·25% .. 32 mils 52 0 .. .. **6 6** TS



Streptomycin with sulphadimidine
for the treatment of intestinal infections
tablets and ready-prepared suspension
THE DISTILLERS COMPANY (Biochemicals) LIMITED, SALES DIVISION, LIBERTY 6600, LONDON

Gevapan (508 Gevaert)
roll films No. 30 & 33 127 22 0 6 0 **3 3**
No. 27, 30 & 33 .. 120 22 0 6 0 **3 3**
620 22 0 6 0 **3 3**
Delete 116
No. 36 .. .. 120 24 0 6 0 **3 6**
35 mm film daylight ..
refill 36 exp. .. 36 6 9 0 **5 1**
continuous length 5 metres 75 6 19 0 **10 7**
17 metres 19 1ea 4 9ea **32 0**
Gin Fizz (Lubin (1 Abbey)
perfume .. 649 .. .. .. **35 0**
650 .. .. .. **52 6**
651 .. .. .. **85 0**
652 .. .. .. **135 0**
621 .. .. .. **294 0**
soap (3) .. 616 .. .. .. **15 0**
talcum bottle .. 836 .. .. .. **10 6**
tln .. 836T **7 6**
Glacier (1106 S)
cream lip salve .. 17 0 4 3 **2 6**
Glo (876 MP) 15 0 7 6 **2 6**
Gordon Moore (528 GM)
cosmetic toothpaste small 14 5 3 7½ **1 11**
Goya (532 Goya)
perfume handbag phial 1 27 0 13 6 **4 6**
Cologne 1 oz 24 27 0 13 6 **4 6**
talcum 15 27 0 13 6 **4 6**
GP (1073 Robinson)
cotton wool .. .. 8 6 .. .. **1 0**
Halex (560 Halex)
chamber .. F501 55 6 .. .. **6 11**
F502 44 0 .. .. **5 6**
F512 28 0 .. .. **3 6**
Heath & Heather (588 H&H)
cigarettes herbal Arabian 10 9 6 2 6 **1 3**
20 16 6 4 0 **2 2**
50 33 6 8 6 **4 5**
100 62 0 15 6 **8 3**
smoking mixture herbal
plain .. .. .. 64 11 0 .. .. **1 3**
Vi-tablets 21 0 5 0 **3 0**
38 6 9 6 **5 7**
Heatherclean (588 H&H) 8 0 2 0 **1 3**
19 0 5 0 **2 10**
Heinz (593 Heinz)
junior foods
orange and apricot dessert 6 11 .. .. **8½**
Hep (107 BH&L)
tonic .. .. .. 4 oz 16 4 4 1 **2 8**
8 oz 31 0 7 9 **4 10**
Herbolic (588 H&H)
disinfectant 17 0 4 0 **2 3**
Hexopal (97 Bayer)
tablets 500 mgm .. 100 41 4ea .. **62 0**
Hibitane (649 ICI)
antiseptic cream 500 gm 144 0 .. .. **18 0**
Delete Hudnut (631 Hudnut) creme rinse 1979
Hycolin (946 PA)
antiseptic/disinfectant 1 gal 26 6ea .. **35 4**
Hydrocortistab (147 Boots)
Delete soluble vial 100 mgm
Ibcol (671 Jeyes)
dislnfectant .. .. 4 oz 9 0 .. .. **1 0**
Icipen V (649 ICI)
Delete oral suspension, all sizes
I.C.I. (649 ICI)
Delete aerosol insect spray, all sizes
Indorm (1352 Wyeth)
capsules .. .. 10 35 3 8 10 **4 8** †s4B
100 21 8ea 5 5ea **34 4** †s4B
I.N.H. (413 Lilly)
tablets 100 mgm .. 100 3 2ea .. **4 9** TS
1000 23 6ea .. **35 3** TS
5000 bulk per 1000 22 6ea .. **33 9** TS
Delete Instant Postum (130 Bird)
Insert **Instant Postum** (304 Costa)
Insulln A.B. (34 A&H)
Delete 20 units .. .. 5 cc
Interlude (Grecaux (792 Malynn))
perfume .. .. trial 44 0 22 0 **7 6**
Delete Iodised Balmosa (912O) 2 oz
Ipsolon (800 TM)
balm 19 0 4 9 **2 6**
30 4 7 7 **4 0**
tablets 22 8 5 8 **3 0**
Iron Ox (800 TM)
tonic tablets 19 0 4 9 **2 6**
41 8 10 5 **5 6**
64 4 16 1 **8 6**
Jacksons (663 GJ)
drawing ointment .. 1 oz 7 5 1 10 **1 0**
2 oz 12 4 3 1 **1 8**
4 oz 23 4 5 10 **3 0**
Jane Seymour (665 JS)
wonder lipstick .. 9 0 4 6 **1 6**

Delete Johnsons (673 J of H)
desensitizer yellow
Juno Junipah (800 TM)
major 36 0 9 0 **4 9**
salts 22 8 5 8 **3 0**
tablets 22 8 5 8 **3 0**
Justso (1160 Solport) wrist straps 30 0 .. .. **3 9**
Kaloids (680 Kalium)
tablets .. .. .. 30 16 0 .. .. **2 0**
Kamillocreme (221 Camden)
16 oz 15 0ea 3 9ea **26 3**
Kandu (800 TM)
tablets 22 8 5 8 **3 0**
Delete Keg (462 Field) hair cream
Kenergy (1175 SPL)
biscuit meal dog food .. 18 9 .. .. **2 0**
Kent (693 Kent)
nail brushes
wooden back NHW1 12 11ea 3 2ea **22 6**
N9 3 5ca 10ea **5 11**
ND6 2 9ea 8ea **4 9**
" Long Grip " NP19 8 4ea 2 0ea **14 6**
shaving brushes
100% badger white handle
V4 36 2ea 8 9ea **63 0**
V5 45 11ea 11 1½ea **80 0**
V6 51 8ea 12 6ea **90 0**
V7 66 0ea 16 0ea **115 0**
V8 77 6ea 18 9ea **135 0**
V10 96 5ea 23 4½ea **168 0**
V14 144 7ea 35 1ea **252 0**
black handle .. C23 27 3ea 6 7½ea **47 6**
C24 34 5ea 8 4ea **60 0**
C25 40 2ea 9 9ea **70 0**
C26 48 3ea 11 8ea **84 0**
C27 54 6ea 13 3ea **95 0**
50/50 badger and bristle
C19 16 4ea 4 0ea **28 6**
C21 20 1ea 4 11ea **35 0**
"Thistle" 100% badger
KS1 54 6ea 13 3ea **95 0**
90% badger and 10% bristle .. KS2 40 2ea 9 9ea **70 0**
" Traval " .. KS27 14 4ea 3 6ea **25 0**
KS28 27 3ea 6 7½ea **47 6**
Kleinerts (706 Kleinerts)
sanitary briefs
Young Teen .. 54 0 2 8½ **6 11**
Klik (563 Hampshire)
aerosols .. .. 33 4 .. .. **3 9**
Kodak (711 Kodak)
Brownie 44B camera .. 52 0ea 13 0ea **93 0**
case 935 8 8ea 2 2ea **15 6**
Kodaslide 50 projector 209 7½ea .. **322 6**
projection lamp 300w .. 23 1ea .. **33 0**
Kodachrome II double 8mm movie film 25 ft. spool 18 8ea 2 11ea **29 7**
movie films 16mm (reversal)
Tri-X and Plus-X 50 ft. spool 25 9ea 3 11ea **38 3**
50 ft. magazine 31 10½ea 5 4ea **47 10**
100 ft. spool 43 4½ea 6 6ea **64 4**
Kodachrome 50 ft. spool 30 0ea 5 0ea **45 0**
50 ft. magazine 36 0ea 6 5ea **54 5**
100 ft. spool 51 3ea 8 6ea **76 10**
Kodisk filters 255 7 0ea 1 9ea **12 3**
285 7 0ea 1 9ea **12 3**
320 7 8ea 1 11ea **13 5**
370 9 0ea 2 3ea **15 9**
close-up lens .. 255 5 2ea 1 4ea **9 1**
lens hoods .. 255 3 8ea 11ea **6 5**
285 3 8ea 11ea **6 5**
320 4 8ea 1 2ea **8 2**
Leichner (749 Leichner)
"kamera klear" base 352 14 6 7 3 **2 5**
Less (528 GM) toothpaste 14 5 3 7½ **1 11**
Librium (1074 Roche)
tablets 5 mgm .. .. 25 54 0 .. .. **6 9** s4B
100 192 0 .. .. **24 0** s4B
500 65 0ea .. **97 6** s4B
10 mgm .. .. 25 68 0 .. .. **8 6** s4B
100 240 0 .. .. **30 0** s4B
500 82 0ea .. **123 0** s4B
Lifeguard (894 Nicholas)
disinfectant .. .. 9 3 .. .. **1 0**
toilet roll .. 3 doz 35 11 .. .. **1 3**
flat .. .. 3 doz 35 11 .. .. **1 3**
Lil-lets (761 Lilia-White)
normal .. .. .. 20 31 0 .. .. **3 3**
Li-lo (308 Cow)
air cushions 15×10 in 335 46 0 .. .. **5 9**
18×13 in 336 65 6 .. .. **8 3**
18×14 in 383 76 0 .. .. **9 6**
20×16 in 384 79 0 .. .. **9 11**
air pillows 18×13 in 334 56 0 .. .. **7 0**
19×14 in 382 76 0 .. .. **9 6**

MEGGEZONES FOR COUGHS, COLDS AND CATARRH
dex PASTILETS THE MODERN COUGH TREATMENT
MEGGESON DYSPEPSIA TABLETS
THE BRAND LEADERS IN THEIR FIELDS
MEGGESON & CO. LTD., LONDON S.E.16

hot water bottles
Delete Berkeley
Grosvenor .. .. 48 6 .. ..
with handle .. 52 0 .. .. ..
Lip-Slik (876 MP) .. 12 0 6 0 **2 0**
Delete Liver injectilon USP (746 Lederle) 3
Lofenalac (826 MJ)
phenylketonuria diet 2½ lb 680 0 .. .. **81 0**
Lorexane (649 ICI)
Delete ear lotion (vct.)
Lustre Creme (280 CP)
Delete shampoo tube 12 0 3 0 **1 7**
Delete 18 11 4 9 **2 6**
tube .. 35 gm 17 1 4 3 **2 3**
Lusty's (781 Lusty's)
digestive tablets .. 150 33 0 7 10 **4 9**
nerve tablets 150 33 0 7 10 **4 9**
seaweed bath bags .. 5 24 0 5 8 **3 6**
and sarsaparilla tablets .. 150 33 0 7 10 **4 9**
sleep inducing tablets 150 33 0 7 10 **4 9**
special herbal tablets .. 150 33 0 7 10 **4 9**
Delete Magic Touch (876 MP)
Delete Mallpas (339 CG)
Marcel Rochas (796 MR)
Madame Rochas
perfume atomizer .. 995 40 0ea 20 0ea **80 0**
refill .. 996 22 6ca 11 3ea **45 0**
regular ¼ oz 956 27 6ea 13 9ea **55 0**
½ oz 954 42 0ea 21 0ea **84 0**
1 oz 953 60 0ea 30 0ea **120 0**
2 oz 952 95 0ea 47 6ea **190 0**
3 oz 951 145 0ea 72 6ea **290 0**
de luxe 1 oz 902 125 0ca 62 6ea **250 0**
2 oz 901 200 0ea 100 0ea **400 0**
4 oz 900 300 0ea 150 0ea **600 0**
Marevan (436 Evans)
tablets 1 mgm .. 100 96 0 .. .. **12 0**
10 mgm .. 100 288 0 .. .. **36 0**
Margo's (798 Margolis)
hair lacquer refill sachet 4 2 2 1 **1 0**
shave cream lather tube 11 0 2 9 **1 9**
tonic hair cream tube 9 2 4 7 **1 9**
Mastol (328 CCC) 12 oz **10 6**
Mavala (1093 JS&C)
(distributors 802 Martindale)
base coat 108 0 52 6 **18 0**
cuticle cream 108 0 52 6 **18 0**
coffret 27 6ca 13 5ea **55 0**
scientifique 126 0 61 6 **21 0**
Max (855 Mondart)
insect repellant .. 30 0 7 4 **3 11**
air freshener .. .. 26 3 .. .. **2 11**
31 6 .. .. **3 6**
44 3 .. .. **4 11**
fly killer .. .. 26 3 .. .. **2 11**
31 6 .. .. **3 6**
44 3 .. .. **4 11**
moth proofer .. .. 26 3 .. .. **2 11**
31 6 .. .. **3 6**
44 3 .. .. **4 11**
Melleril (1098 Sandoz)
syrup .. .. 100 mils 54 0 .. .. **6 9**
1 litre 444 0 .. .. **55 6**
Mel Rose (1069 Roberts & Sheppey)
tablet 3 10 11 **6**
6 5 1 7 **1 0**
Delete all old sizes
Mep 4 (650 IRL)
tablets 400 mgm .. 50 7 3ea .. ..
100 14 0ea .. ..
250 34 0ea .. ..
500 64 0ea .. ..
Delete Metuvlt (221 Camden) all products
Millionairess (1 Abbey)
beauty cream .. .. 1 oz 21 0ea 10 6ea **42 0**
Mimosept (347 Dalmas)
sanitary towels .. 12 23 0 .. .. **2 6**
belts 25 0 1 3 **2 11**
Miners (876 MP)
hair lacquer acrosol .. 39 0 19 6 **6 6**
hair lacquer 15 0 7 6 **2 6**
Delete Movex (16 Agfa) 88L cine camera
Mus-Gar (588 H&H) ointment 16 6 4 0 **2 5**
32 6 8 0 **4 9**
Mycll (179 BDH)
spray pressurised pack 56 0 .. **7 0**
Mysoline (649 ICI)
delete poison schedules
Nair (1003 PP) cream .. 26 8 13 4 **4 3**
Natusol (695 TK)
baby cream 35 gm .. 20 0 5 0 **2 9**
Navidrex K (262CIBA)
tablets .. .. .. 25 32 0 .. .. **4 0**
100 112 0 .. .. **14 0**
500 44 0ea .. **66 0**
Delete Neron (648 IH)
Neron (1274 VDL)
Nescafe (883 Nestle)
decaffeinated 1¾ oz .. 36 11 .. .. **3 6**
Delete Nicolane (70 Aspro) linctus
Delete Nicrazin (837 MSD) 2½ lb
Nobepyrol (436 Evans)
spray pack .. 45 gm 6 6ea 1 7½ea **11 4½**
remover cream 50 gm 4 0ea .. **6 0**
Nohaesa (221 Camden)
ointment .. 16 oz 140 0 35 0 **20 5** †s1
Noxacorn (800 TM)
corn remover 19 0 4 9 **2 6** p1
foot powder 30 4 7 7 **4 0**
Nuit de Longchamp (Lubin (1 Abbey)
Cologne concentree .. 289 .. .. .. **16 6**
290 .. .. .. **30 0**
292 .. .. .. **75 0**
Delete 297 .. .. ..
perfume .. ..2949 .. .. .. **35 0**
2950 .. .. .. **52 6**
2951 .. .. .. **85 0**
2952 .. .. .. **135 0**
2954 .. .. .. **300 0**
2921 .. .. .. **294 0**
Delete 2948 .. .. ..
soap (3) .. ..2916 .. .. .. **15 0**
talcum tin .. .. 831T **7 6**
bottle .. .. 830 .. .. .. **10 6**
Nulacin (621 Horlicks)
tablets 25 24 0 6 0 **3 6**
Nulon (1037 Reckitt)
hand cream .. .. C 10 10 5 3½ **1 8**
Delete Oatine (908 Oatine)
Oatine (1282 VB)
Odol (314 Cranbux) toothpaste 14 5 3 7¼ **1 11**
Old Spice (1131 Shulton)
hair cream .. .. jar 35 0 17 1 **6 2**
Delete Optrex (690 Keldon) eye lotion small
Optrex (690 Keldon)
eye lotion .. small 22 8 5 8 **3 0**
One Two (621 Horlicks)
spot lifter spray .. 2 oz 31 6 .. .. **3 6**
Delete Opoidine (787 Macfarlan) all preparations
Orapen V-K (650 IRL)
tablets 125 mgm .. 50 19 6ea .. **26 0** TS
100 35 0ea .. **46 8** TS
250 89 0ea .. **119 8** TS
500 171 0ea .. **228 0** TS
tablets 250 mgm 50 39 0ea .. **52 0** TS
100 69 0ea .. **92 0** TS
250 171 0ea .. **228 0** TS
500 338 0ea .. **450 8** TS
1000 583 0ea .. **777 4** TS
Ornimed (718 LAB)
bird seeds
with chloramphenicol 36 0 .. .. **4 0**
with penicillin 36 0 .. .. **4 0**
with sulphonamide 36 0 .. .. **4 0**
with vit. B12 45 0 .. .. **5 0**
Ornivite (718 LAB)
vitamin bird seed **2 6**
Outdoor Girl (876 MP)
dry skin cream .. 9 0 4 6 **1 6**
eyebrow pencil .. 7 6 3 9 **1 3**
lipstick 7 6 3 9 **1 3**
mascara cream .. 10 6 5 3 **1 9**
rouge dry 9 0 4 6 **1 6**
vanishing cream .. 9 0 4 6 **1 6**
Pabracort (930 P&B)
capsules .. .. 10 76 0 .. .. **9 6**
25 174 0 .. .. **21 9**
100 646 0 .. .. **80 9**
insufflation outfit .. 118 0 .. .. **14 9**
Palmolive (280 CP)
shaving cream brushless
tube 20 10 5 2 **2 9**
30 4 7 6 **4 0**
jar 30 4 7 6 **4 0**
lather tube 20 10 5 2 **2 9**
30 4 7 6 **4 0**
jar 30 4 7 6 **4 0**
Panok (142 BML)
tablets .. .. .. 12 14 8 .. .. **1 10**
100 72 0 .. .. **9 0**
500 24 0ea .. ..
1000 46 0ea .. ..
Parke-Davis (938 PD)
shaving cream tube 1½ oz
Delete Parmacetyl (411 EGH)
Insert **Parmacetyl** (894 Nicholas)
tablets 100 12 6ea 3 1½ea
Pen (267 C&A)
acriflavine and Clearsight 10 0 .. .. **1 3**
iodine and mosquito .. 10 0 2 6 **1 6**
Penicillin (34 A&H)
ointment .. .. 2 oz 18 0 .. .. **2 3** TS
Delete eye olutment strong
Delete solution tablets buffered

PANADOL REGD.
N-acetyl-p-aminophenol 0.5G.
Available in packs of 12, 100, 500 and 2,500
BAYER PRODUCTS, *Division of Winthrop Group, Ltd.*
SURBITON-UPON-THAMES, SURREY.

Excellent analgesic and antipyretic which contains no aspirin, phenacetin or codeine. Outstandingly safe, effective and free from side effects, Panadol has been given to patients suffering from acute peptic ulcer without causing gastric irritation.

POTENT AND SAFE

Penicillin G (649 ICI)
Delete ointment .. .. 1 oz
Delete eye 2000 units /gm 1 dr
Persil (325 Crosfields)
large .. .. .. 24 40 7 .. .. **1 11**
big .. .. .. 18 45 0 .. .. **2 10**
Petron (1201 Supervite)
universal atomizer .. 23 6 11 9 **3 11**
Delete Phedros (837 MSD) all sizes
Delete Phenaglate (70 Aspro) capsules
Philishave (977 PE)
standard volt model .. 74 6ea 18 2ca **117 6**
Delete Pholcodine (787 Macfarlan) linctus all sizes
Photocrescenta (977 PE)
enlarger lamps ..75W 31 6 7 6 **4 1½**
150W 39 9 9 0 **5 2**
Photolita (977 PE)
photoflood lamps No. 1
275W .. .. 27 0 .. .. **3 0**
No. 2
500W .. .. 67 6 .. .. **7 6**
reflector type SM .. 112 6 .. .. **12 6**
Pifco (983 Pifco)
"Popular" shaver 1126 39 11ea 9 9ea **63 0**
Pinaud (984 Pinaud)
"Set-up" pre-shave
lotion 120 .. .. 30 0 15 0 **5 0**
Plastabook (1247 TDC)
first aid dressings 2½ doz 38 4 .. .. **1 11**
P.L.J. (103 BF) large .. 44 5 .. .. **4 9**
Poliomyelitis (969 Pfizer) vaccine
ampoule 1 mil .. 1 48 0 .. .. **5 4** TS
6 270 0 .. .. **30 0** TS
vial 10 mils .. 32 6ea .. **43 4** TS
Polkris (839 MGS)
electric feeding bottle 20 0ca 5 0ea **35 0**
Portia (1160 Solport)
pumice stone 4 0 2 0 **8**
Potter & Moore (994 P&M)
talcum powder puffer 191 27 0 13 6 **4 6**
P.R. (147 Boots) spray .. 4 3½ea 1 1ea **7 6**
Predsol (518 Glaxo)
lotion aerosol 0·125%
30 mils .. .. 8 6ea .. **11 4** TS
Predsol-N (518 Glaxo)
lotion aerosol 0·125%
30 mils .. .. 9 0ea .. **12 0** TS
Primaquine (649 ICI)
tablets .. .. .. 30 32 0 .. .. **4 0**
1000 640 0 .. .. **80 0**
Primolut i.v. (1107 SAGB)
(distributors 973 Pharmethicals)
ampoules 1 mil .. 1 5 2ea .. **7 9**
Delete Proncl (451 F&J) .. 154 0 38 6 **22 6**
Delete Protlricin (837 MSD) 1 oz
Punch and Judy (528 GM)
toothpaste 14 5 3 7¼ **1 11**
Quelques Fleurs (Houbigant (1 Abbey)
Delete perfume .. 104·91 .. .. ..
soap (3) .. 142·25 .. .. .. **15 0**
talcum tin .. 149·17 .. .. .. **7 6**
Delete Rasprin (411 EGH)
Insert **Rasprin** (894 Nicholas)
Red Heart (864 JM)
dog food small 4 doz .. 33 0 .. .. **10½**
large 2 doz .. 30 0 .. .. **1 7**
Regal (1340 WUD)
half cream 24 × 16 oz 27 6 .. .. **1 4**
full cream 48 × 6 oz 27 6 .. .. **8**
24 × 16 oz 27 6 .. .. **1 4**
Regula (980 Photopia)
camera L Prontor SVS R2 236 10ea 57 9ea **413 0**
Delete LE R40
LK R40 455 0ea 110 11ea **793 5**
leather case .. R31 32 8ea 8 0ea **57 0**
Olympia I .. R53 344 0ea 83 11ca **599 11**
Olympia II .. R50 458 10ea 111 8ea **799 11**
leather case .. R51 34 2ea 8 3ea **59 6**
Regulette (980 Photopia)
camera Vario shutter R52 120 4ea 29 6ea **210 0**
Pronto shutter R44 148 10ea 36 3ea **259 6**
Remington (1044 RR)
shaver auto-home .. **175 0**
Rendells (1045 R)
vaginal suppositories .. 30 0 7 6 **4 1½**
Rexall (1053 Rexall)
Delete Gee's linctus 4 oz and 8 oz
pastilles Gee's .. .. 11 0 .. .. †
Delete zinc and castor oil cream 2 oz and 4 oz
Delete glycerine, lemon and honey with ipecac 4 oz and 8 oz
Delete Ribothiron (837 MSD) all sizes
Richardson's (1412 Jackel)
Sweet Sue's sachets .. 15 0 7 4 **2 6**
talc pad 29 6 14 5 **4 11**
Rinstead (1311 Warrick) pastilles 17 0 4 3 **2 6**
Robaxisal (1071 Robins)
tablets 50 120 0 30 0 **17 6** s1s4B
500 90 0ea 22 6ea **157 6** s1s4B
Robitussin (1071 Robins) no longer schedule
Rollei-Magic (637 Hunter) camera
with f/3·5 Xenar lens **1534 6**
ever-ready case **103 9**
Rotakin (8 Actina)
profile tripod 1402 .. .. **175 0**
Delete Royal Court Tintona (908 Oatine)
Insert **Royal Court Tintona** (1282 VB)
St. Leger (1304 TW)
blades slotted (6) .. 5 9 1 5½ **1 0**
(12) .. 10 6 2 7½ **2 0**
Savlon (649 ICI)
barrier cream 50 gm .. 17 0 4 3 **2 11**
Scarfe (588 H&H)
herbal cigarettes .. 20 19 6 .. .. **2 2**
Scholl's (Dr.) (1108 SMC)
Vitality support nylons
pair .. .. .. 24 0ea .. **36 0**
Nylastik thigh stockings pr. 35 6 .. .. **53 3**
nylon "Soft Grip" .. pr. 35 6 .. .. **53 3**
"Super Sheer" .. pr. 50 0 .. .. **75 0**
Delete Sea and travel-sickness remedy (107 BH&L)
Delete Sedamyn (837 MSD) .. 4 oz
Sedasma (142 BML)
tablets .. .. .. 25 34 0 .. .. †s4A
100 110 0 .. .. †s4A
500 37 0ea .. †s4A
Selmo (588 H&H) biscuits
Shadeine (1128 Shadeine)
golden brightener .. 2 oz 32 9 16 5 **5 0**
hair tint .. .. 1 oz 32 9 16 5 **5 0**
2 oz 42 6 21 3 **6 6**
Signal (509 Gibbs)
tooth-paste 30 9 7 6 **4 1**
Silket (116 Benton)
facials 15 0 7 6 **2 6**
tan 33 0 16 6 **5 6**
Simpkin's (1141 Simpkin)
Koola fruits .. .. 4 6 .. .. **6**
Slopel (649 ICI)
cream 50 gm 32 0 .. .. **4 0**
500 gm 200 0 .. .. **25 0**
5 lb 56 0ca .. **84 0**
Delete Snowfire (563 Hampshire) shampoo
Soft Twink (955 Pepsodent)
home permanent
tweeny 14 9 7 0 **2 5**
end curl .. 27 6 13 1 **4 6**
large 43 7 20 8½ **7 2**
Solcoseryl (499 Richter)
ampoules 2 mils .. 6 27 8ea 6 11ea **48 5**
ointment .. 20 gm 3 8ea 11ea **6 5**
Solida Record (637 Hunter)
camera 59 0ea 14 4ea **102 10**
E.R. case .. 16 8ea 4 1ea **29 1**
Delete Solufhricin (837 MSD) 20 mils
Soluvone (378 DCBL)
injection 5 × 1 mega .. 8 9ea .. **13 1½** TS
10 × 5 mega .. 66 8ea .. **100 0** TS
Son Fils et Lui (Lubin (1 Abbey)
after shave .. .. 100 .. .. .. **30 0**
mens Cologne .. .. 700 .. .. .. **37 6**
Sorexa (1162 Sorex)
warfarin bait .. .. 4 oz 10 0 .. .. **1 3**
28 lb 32 0ea .. **48 0**
Soventol (708 Knoll)
jelly .. .. 20 gm 30 0 .. .. **3 4**
tablets .. .. .. 20 36 0 .. .. **4 0**
200 25 6ea .. **34 0**
Soventol C (708 Knoll)
dragees .. .. 20 36 0 .. .. **4 0**
200 25 6ea .. **34 0**
Spillers (1172 Spillers)
shapes .. .. .. 10 8 .. .. **1 1**
Winalot meal .. .. 10 8 .. .. **1 1**
Wagalot .. .. 10 0 .. .. **1 1**
17 9 .. .. **1 11**
Delete Spontex (1174 Sponcel) cosmetic sponge
Spratts (1175 SPL)
mixed ovals .. .. 10 2 .. .. **1 1**
19 10 .. .. **2 1**
ovals .. .. .. 10 2 .. .. **1 1**
Spraydex (294 Copydex)
garden spray bottle .. 8 oz 23 6 .. .. **2 11**
refill .. 8 oz 15 0 .. .. **1 11**
mothproofer bottle .. 8 oz 39 0 .. .. **4 11**
refill .. 8 oz 31 0 .. .. **3 11**
Spray Magic (876 MP) .. 16 6 8 3 **2 9**
Spungee (703 KD) sponge
heart shaped perfumed 47 0 11 4 **6 11**
Delete S.T. 37 (837 MSD) all sizes
Stag (Lorie of Los Angeles (1053 Rexall)
after shave lotion .. 48 0 24 0 **8 6**
after shower talc .. 48 0 24 0 **8 6**
deodorant stick .. 48 0 24 0 **8 6**
Delete all gift packs
pre-shave lotion .. 48 0 24 0 **8 6**
Spin Top deodorant .. 48 0 24 0 **8 6**

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Contain no Aspirin — harmless and non-irritant.
Display with Feminine Hygiene Products.
For ready sale at 1/10½d in handy wallets.
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Stemcol (427 Esso)
cough emulsion .. 6 oz 18 0 4 6 **2 8**
12 oz 29 0 9 3 **4 3**
Stephens (1157 Stephens)
Steradent (1037 Reckitt)
'B' size 11 6 2 9½ **1 6**
'A' size 19 11 4 10½ **2 8**
Sterillium (946 PA)
blanket sterilizing fluid 1 gal 20 6ea .. **27 4**
Steriloderm (1341 Willows)
gel .. .. 60 gm 37 6 9 6 **5 6**
SteriShave (438 ER) ..
razor bath 22 0 5 6 **3 4**
refills 18 0 4 6 **2 8**
Stevo (8 Actiua) cine screen
white 40×40 .. .. 48 4ea .. **72 6**
40×48 .. .. 59 8ea .. **89 6**
48×48 .. .. 70 0ea .. **105 0**
60×60 .. .. 106 4ea .. **159 6**
beaded 24×18 .. 33 0ea .. **49 6**
32×24 .. 41 8ea .. **62 6**
32×32 .. 45 8ea .. **68 6**
40×40 .. 59 8ea .. **89 6**
48×40 .. 66 4ea .. **99 6**
48×48 .. 79 8ea .. **119 6**
60×60 .. 131 8ea .. **197 6**
Strepolin (518 Glaxo)
cartridges 1½ mils .. 10 12 6ea .. **18 9** TS
vials 3 mils .. 10 12 6ea .. **18 9** TS
Delete Stryphnon (221 Camden) all products
Sucrets (837 MSD) .. 24 17 0 4 3 **2 6**
Sulphanilamide (649 ICI)
Delete BP sterilised 5 gm 10×100
Super Plenamins (1053 Rexall)
family pack .. .. 150 312 0 .. .. **37 6**
Delete junior .. .. ..
Delete Surama (908 Oatine)
Insert **Surama** (1282 VB)
Surf (756 Lever) large .. 24 38 11 .. .. **1 10**
jumbo .. 18 43 9 .. .. **2 9**
Sustacol (972 Pharmax)
tablets .. .. .. 20 5 0ea .. .. †s4A
Swandown (1218 HT)
"Final Touch" deodorant 14 0 7 0 **2 3**
Syntometrine (1098 Sandoz)
ampoules 1 mil .. 6 48 0 .. .. **6 0** s1
100 50 0ea .. **75 0** s1
Tabloid (208 BW)
ergometrine
maleate 0·5 mgm .. 25 82 0 .. .. **10 3** †s1
100 284 0 .. .. **35 6** †s1
500 1200 0 .. .. **150 0** †s1
Tetracyn (969 Pfizer)
capsules 250 mgm .. 100 153 4ea .. **230 0** TS
1000 1480 6ea **2220 9** TS
Thermos (1226 Thermos)
vacuum jars .. .. 614 .. .. .. **67 2**
608 .. .. .. **97 2**
617 .. .. .. **21 0**
620 .. .. .. **48 0**
81 .. .. .. **106 2**
82 .. .. .. **138 0**
609 .. .. .. **96 0**
jugs .. .. 58 .. .. .. **17 11**
58Q **23 6**
34 .. .. .. **43 2**
34S **68 10**
TV **107 3**
54 .. .. .. **45 0**
54Q **47 9**
45 .. .. .. **50 6**
45Q **57 11**
29 .. .. .. **87 0**
29Q **103 9**
70 .. .. .. **103 5**
52 .. .. .. **145 2**
52Q **171 5**
231 .. .. .. **141 8**
231Q **168 0**
all plated .. 70 .. .. .. **105 8**
Tiger Oil (328 CCC) 1 gall **28 0**
Delete Tonergetic (221 Camden) all sizes
Toni (1242 Toni)
brush rollers 21 3 5 3½ **6**
6 doz 6 doz
Top Dog (1175 SPL) 2 doz 32 9 .. .. **1 9**
4 doz 35 3 .. .. **11**
Tramil (655 ICC) .. 31 6 .. .. **3 6**
Travla (761 Lilia-White)
compressed sanitary
towels .. .. .. 3 8 4 .. .. **10½**
Trescatyl (971 PSMB)
powder 2 gm .. 70 0 .. .. **8 9**
tablets 250 mgm .. 50 36 8ea .. **55 0**
250 178 4ea .. **267 6**
Tretamine (649 ICI)
ampoules 20 mgm .. 5 800 0 .. .. **100 0** †s1s4A

Delete Triad (107 BH&L) cherry malt & oil
Turn Tan (Lorie of Los Angeles (1053 Rexall))
gift pack 90 0 45 0 **15 0**
Delete AX16 and AX17
Delete Un-Dy (908 Oatine)
Insert **Un-Dy** (1282 VB)
Delete Urografin (1107SAGB) single ampoules
Vacco (1265 Vacco)
vacuum flask-de-luxe VLP 73 6 9 0 **8 11**
Valderma (343 DH) jar .. 1 oz 24 2 .. .. **2 9**
2 oz 39 4 .. .. **4 6**
4 oz 50 6 .. .. **6 0**
shaving cream lather .. 19 2 4 9½ **2 6**
brushless 19 2 4 9½ **2 6**
Valette (373 DHL)
hair colour spray .. 76 0 .. .. **9 6**
Veet "O" (343 DH)
odourless hair-removing
cream 24 6 12 3 **3 9**
Velactin (1303 Wander)
powder .. .. .. 9 oz 47 3 .. .. **5 3**
Vermithol (328 CCC) .. 1 qt **23 4**
Vick (1277 VI)
cetamium cough syrup 2 oz 16 11 4 3 **2 3**
VapoMist nasal spray
Vitapointe (484 Fulford) 15 0 7 6 **2 6**
21 0 10 6 **3 6**
Vivipan (328 CCC) nasal 12 oz **18 1**
Volpar (179 BDH)
paste and applicator .. 52 0 .. .. **6 6**
gels .. .. 24 0 .. .. **3 0**
paste, 60gm .. .. 24 0 .. .. **3 0**
tablets, foaming .. 24 0 .. .. **3 0**
Vytina (107 BH&L)
tonic phosphates .. 4 oz 21 6 5 4½ **3 6** †
8 oz 34 0 8 6 **6 0** †
16 oz 60 0 15 0 **10 0** †
Delete Wanderlac (1303 Wander) 1 lb
Wardonia (1304 TW)
blades barrel-hole (5) .. 11 6 2 10½ **1 8**
slotted (5) 11 6 2 10½ **1 8**
pack No. 10 .. .. 27 6 6 10½ **4 6**
containers for 30 used
blades 15 6 3 10½
containers for 60 used
blades 18 6 4 7½
razor sets
"Pilot" .. No. 1 12 6 3 1½ **3 6**
"Service" .. No. 2 16 6 4 1½ **4 6**
"Rugby" .. No. 3 37 6 9 4½ **7 6**
"Devon" .. No. 4 67 6 16 10½ **12 6**
"Rugby de-luxe" No. 5 67 6 16 10½ **12 6**
"Devon de-luxe" No. 6 9 0ea 2 3ea **17 6**
"Travellers de-luxe" No. 7 10 6ea 3 0ea **22 6**
"Zip" .. No. 8 12 6ea 3 0ea **25 0**
dressing case No. 9 18 6ea 5 0ea **35 0**
No. 10 18 6ea 5 0ea **35 0**
Wata (980 Photopia)
optical viewfinder .. W39 20 10ea 5 0ea **36 3**
Watameter (980 Photopia)
11 rangefinder .. W2 39 10ea 9 9ea **69 6**
super W3 42 8ea 10 6ea **74 6**
Weet Meet (1175 SPL)
No. 1 .. .. .. 10 2 .. .. **1 1**
No. 2 .. .. .. 10 2 .. .. **1 1**
Wellcome (208 BW)
ergometrine maleate
0·5 mgm in 1cc .. 10 62 0 .. .. **7 9** †s1
100 464 0 .. .. **58 0** †s1
pasteurella antiserum (vet)
100 cc 40 0ea .. **60 0**
Delete tetanus toxoid (vet) 10 cc
Delete toilet lanolin .. .. 1 oz
Whip (933 PLG)
after shave lotion .. 6 10ea 3 5ea **14 3**
18 0ea 9 0ea **39 8**
Wopsey (107 BH&L)
wasp killer .. .. 16 0 .. .. **2 3**
Wright-Fleming (1393 BRL)
antigens
diphtheria-pertussis
prophylactic 3×½ mil 4 3ea .. ..
5 mils 7 6ea .. ..
diphtheria-tetanus
prophylactic ½ mil 1 10½ea .. ..
3×½ mil 3 4½ea .. ..
5 mils 7 10½ea .. ..
pertussis .. ½ mil 1 10½ea .. ..
3×½ mil 4 3ea .. ..
5 mils 7 6ea .. ..
tetanus toxoid 2×½ mil 3 9ea .. ..
5 mils 7 1½ea .. ..
Zom (312AC)
ointment 11 0 2 9

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(193 Brobat)=BROBAT, LTD., 52 Wandle Bank, London, S.W.19. Liberty 8131.
(294 Copydex)=COPYDEX, LTD., 1 Torquay Street, London, W.2. Cunningham 7391.
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(514 Gillette)=GILLETTE SAFETY RAZOR CO. (DIVISION OF GILLETTE INDUSTRIES LTD.), Great West Road, Isleworth, Middlesex. Islcworth 1234.
(533 Grabowski)=GRABOWSKI EXPORT IMPORT, LTD., 175 Draycott Avenue, London, S.W.3. Kensington 0750.
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(1097 Sanderson)=SANDERSONS (CHEMISTS), LTD., 23 Boundary Street East, Manchester, 1. Ardwick 5848.
(1157 Stephens)=HENRY C. STEPHENS, LTD., Gillespie Road, London, N.5. Canonbury 4455.
(1274 VDL)="V" DEVELOPMENT LTD., 22 Clifton Road, London, W.9. Cunningham 0701.
(1412) Jackel)=JACKEL & CO., LTD., 247a, St. Vincent Street, Glasgow, C.2. Cit 6661.

THIS WEEK'S CHANGES

NEW and altered entries notified for the first time
A=Advanced. *R*=Reduced.
Entries new this week are marked thus:— ●

	Aminacyl (1303 Wander)								
R	sodium PAS powder	500 gm	204	0	..	..	**25**	**6**
		1000 gm	354	0	..	..	**44**	**3**
	Andre Philippe (48 AP)								
R	spray lacquer	8	11	6	5	9	**2**	**0**
R	refill	9	7	0	3	6	**1**	**3**
	Ayrton (78 AS&Co.)								
●	adrenaline cream ..		18	0	..	..	**2**	**6**
●	cream of calamine with benzocaine	4 oz	12	0	..	..	**1**	**6**
A	pasta mag sulph ..	1 oz	11	0	..	..	..	
A		2 oz	16	0	..	..	..	
Delete		4 oz						
Delete	pine tar shampoo							
Delete	sulphur and treacle							
	Sundries								
A	bed pans earthenware								
	small		17	6ea		..	..		
	medium		20	6ea		..	..		
	large		22	6ea		..	..		
A	bed rest web back ..		26	8ea		..	..		
A	bottle brushes carded		6	6	..	..	..		
A	loose ..		6	0	..	..	..		
	hot water bottles								
A	Ayrton		56	0	..	..	**7**	**0**	
A	Ayrglo		65	0	..	..	**8**	**2**	
Delete	Comfy								
A	syringes glass	1 oz	36	0	..	..	..		
A		2 oz	42	0	..	..	..		
	thermal wool	¾ oz	10	0	2	6	..		
		1 oz	12	11	3	2½	..		
		1½ oz	18	0	4	6	..		
		2 oz	23	4	5	10	..		
	thermometers baby ..								
	feedrite ½ min		54	0	..	..	**6**	**0**	

Corr.	**Cremor Antisepticus** (78 AS&Co)	1 lb	4	6ea	1	1½ea	..		
Corr.	**Cremor Rusci Co** (78 AS&Co)	1 lb	4	6ea	1	1½ea	..		
●	**Disulphine Blue** (649 ICI) ampoules 6·2% in 10 mils	10	120	0ea		..	**180**	**0**	
	Ephynal (1074 Roche)								
R	tablets 3 mgm ..	100	48	0	..	..	**6**	**0**	
		250	110	0	..	..	**13**	**9**	
		1000	30	8ea		..	**46**	**0**	
	10 mgm ..	25	30	0	..	..	**3**	**9**	
		100	96	0	..	..	**12**	**0**	
		500	36	0ea		..	**54**	**0**	
	50 mgm ..	25	76	0	..	..	**9**	**6**	
		100	252	0	..	..	**31**	**6**	
		500	94	8ea		..	**142**	**0**	
	200 mgm ..	20	180	0	..	..	**22**	**6**	
		100	63	0ea		..	**94**	**6**	
Delete	Filmose (78 AS&Co) leg tan								
	Garlisol (496 Garlisol)								
●	garlic flavouring ..	2 oz	32	0	..	..	**4**	**0**	
		8 oz	112	0	..	..	**14**	**0**	
	Glacier (1106 S) cream								
A	green tube		20	6	5	1	**3**	**0**	
●	**Hulsena** (635 Hulse) Turkish bath tablets ..		10	4	5	2	**1**	**8**	
R	**Ismelin** (262 CIBA) tablets 10 mgm ..	25	7	4ea		..	**11**	**0**	
		100	27	8ea		..	**41**	**6**	
		500	134	0ea		..	**201**	**0**	
	25 mgm ..	25	17	0ea		..	**25**	**6**	
		100	65	4ea		..	**98**	**0**	
		500	320	8ea		..	**481**	**0**	
	Jeyes (671 Jeyes)								
A	sulphur candle ..	1 lb	22	6	..	..	**2**	**6**	
●	**Kolantyl N.V.** (838 MN) tablets	24	31	0	8	0	**4**	**7**	
		120	142	0	36	0	**20**	**9**	
	Kotex (702 KC)								
●	sanitary belt ..	2 doz	16	7½		10	**1**	**11**	
	Lazitan (78 AS&Co.)								
Delete	tan lotion								
A	**Linituss** (78 AS&Co)	dp 80 oz	16	6ea		..	..		
	Medikit (31 AP)								
R	travel wallets		36	0	9	0	**5**	**0**	
	Pepsodent (955 Pepsodent)								
●	toothbrush junior ..		10	6	..	..	**1**	**3**	
	Revlon (1052 Revlon)								
●	aquamarine shampoo	8 oz	65	3	32	7½	**9**	**6**	
	Salubria (496 Garlisol)								
Delete	garlic juice BPC all sizes								
Delete	Himalayan brain food tablets & powder								
●	Himalayan nerve tonic tablets	50	40	0	10	0	**6**	**0**	
		150	111	8	27	11	**16**	**9**	
		250	173	4	43	4	**26**	**0**	
		500	316	8	79	2	**47**	**6**	
		1000	570	0	142	6	**85**	**6**	
Delete	Suleo (671 Jeyes) 80 oz								
A	**Syrup pulmonaria co.** (78 AS&Co)	8 oz	31	0	7	9	..		†
		dp 20 oz	5	0ea		..	..		‡
		dp 80 oz	16	0ea		..	..		†
●	**Throaties** (64 AW) ..		3	10		11¼		**6**	
A	**Thymo Ephedrin** (78 AS&Co)	8 oz	40	0	10	0	..		†
		dp 20 oz	7	0ea		..	..		‡
		dp 80 oz	23	6ea		..	..		†
●	**Velbe** (413 Lilly) ampoules dry powder 10 mgm ..	10 mils	78	4ea		..	**117**	**6**	
●	**Volume** (1219 Teeda) dry shampoo powder..		5	8ea	1	5ea	**9**	**9**	

AMENDMENTS TO KEY TO SUPPLIERS:

(64 AW)=ARCADIAN WORKS, LTD., Crediton, Devon. Crediton 2251.
(1219 Teeda)=TEEDA, LTD., 63 South Molton Street, London, W.1. Grosvenor 7282.

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C. & D. RETAIL AND DISPENSING PRICE LIST

Monthly List of Changes

The drug index for May was 207·7

Cost d.	Cost per		Retail 16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
105	250 g.	Acacia alb. elect.	—	6 9	2 0	0 3½
47	25 g.	Barbitonum, B.P.C. R only...	—	—	—	0 11½
28	1 lb.	Dextrosum	3 6	1 0	0 3½	—
48	1 lb.	Glycerinum	7 7	2 2	0 8	0 1
32	25 g.	Hydrarg. c. creta, B.P.C. '54	—	—	4 6	0 7½
104	1 g.	Hyoscin. hydrobrom. S.1. (4)	per	gr.	1 1	—
87	500 ml.	Liq. bismuth. conc., B.P.C. '49	—	2 10	0 10	0 1½
60	500 ml.	Liq. bismuth, et am. cit., B.P.C. '49	—	1 11	0 7	0 1
87	25 g.	Menthol (natural)	—	—	—	1 9
34	500 g.	Ol. cocois, B.P.C. '49 ...	—	1 1	0 4	—
39	25 g.	Pancreatinum	—	—	5 6	0 9½
46	25 g.	Phenobarbitonum R only ...	—	—	—	0 11
47	100 g.	Piper. alb. pulv., B.P.C. '49 ...	—	—	2 0	0 3½
43	100 g.	Piper. nigr. pulv., B.P.C. '49	—	—	1 10	0 3
54	500 g.	Potassii permanganas ...	—	1 9	0 6½	0 1
225	25 g.	Strychnin. pulv., B.P.C. S.1. (4)	per	gr.	0 1	4 7
207	25 g.	Strychnin. sulphas. S.1. (4)	per	gr.	0 1	4 3
27	25 g.	Terpini hydras, B.P.C. ...	—	—	3 10	0 6½
69	500 g.	Ung. adipis lanæ hydros., B.P.C. '49	—	2 3	0 8	0 1
57	500 g.	Ung. dithranolis	—	1 10	0 6½	—
174	500 g.	Ung. hydrarg. co., B.P.C. ...	—	5 7	1 8	0 3

Cost d.	Cost per	Tablets, retail (in containers)	25 s. d.	100 s. d.
243	1000	Phenacetin. et caffein., B.P.C.	1 6	4 5
110	250	Reserpin. 0·25-mgm. ... S.1. R only	2 3	7 4

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* *What Rabelais actually wrote was:*
"Rien si cher ne precieux est que le temp"

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Health Progress in Colonial Territories

READING through that part of the Colonial Territories Report for 1960-61 which deals with social services we cannot help thinking that it would make salutary reading for those politicians and lay journalists in Britain that are continually accusing the drug manufacturers of making excessive profits out of the National Health Service. They would there read what those manufacturers and others have done and what remains to be done to relieve sickness and suffering in British overseas territories. The report mentions that malaria, sleeping sickness and yaws have, in many territories, been virtually eliminated or brought under control. That is a success to which drugs must have made a substantial contribution. The report goes on to say that tuberculosis constitutes a growing public health threat in the territories dealt with; yet in highly industrialised countries like Britain it has also yielded to treatment by chemotherapy. In the colonies that desirable result is more difficult to achieve because of patients' undernutrition—a condition which, the report says, remains widespread. In many territories morbidity and mortality rates from intestinal and other infections attributable to defective sanitation continue high. Thus while much has been achieved, much more remains to be done. Who is to do it and how is it to be paid for? Most people will agree that the laboratories of the manufacturers, though not the only channel of research, are an important one that should be encouraged, not constricted, as it is bound to be when home profits are too drastically cut back.

Shopping Hours and Contract Hours

APPLICATIONS by chemist contractors to change hours of opening of pharmacies for the dispensing of prescriptions have had a varied reception from Executive Councils according to the circumstances surrounding the application and the extent of the proposed changes. Recently a multiple organisation was informed that it had agreed in 1948 to open for a certain number of hours and that, in order to give effect to a reduced working week for its employees, it would have to operate a rota system among its staff. The dispensary, said the Executive Council, must be kept open during the agreed hours. From 1948 to 1961 is a long time during which any provisions relating to working conditions in shops should remain in force without re-examination. Social outlooks have changed immensely during the period, and competition for labour in the distributive trades has increased. There is no doubt, however, that members of the public demand that pharmacies shall be kept open during "normal" hours.

What those hours should be in other retail trades was recently investigated by a panel of experts set up by the Institute of Weights and Measures Administration—a body to which many local-authority shops Act inspectors belong.

In its report, the panel points out that, on the whole, a general closing hour of not later than 6.30 p.m., with 7.30 on the late night, would suit the needs of the shopping public, so far as main-city shopping centres are concerned. The position of the small suburban shop is considered to be quite different. According to the panel, the public expect to find the small shop open at later hours. Hence it would seem reasonable to consider the claims and counter claims of the two retail interests, so as to ascertain whether any acceptable compromise may be made.

So far as half-day closing is concerned the report is more specific. It offers as one solution to the problem of catering for people who go out to work that the compulsory half-day closing of shops might be dispensed with. Shop assistants, the panel state, could have staggered half-day holidays on a rota system whereby each would have a long week-end leave in rotation. That method would also provide assistants with adequate opportunities for doing their own shopping.

According to the panel, the fact that most people are free from work on Sunday does not in itself justify a liberal opening of retail shops. The report declares that any consideration of new provisions relating to Sunday trading must pay full and conscientious regard to the burden it would place on persons.

That briefly, then, is the view of one section of those concerned with, but not actually engaged in, retail trading.

The problem was also considered recently by the National Chamber of Trade, whose members were of the opinion that the preservation of the half-day closing, as provided by law, was essential to check any wide movement towards the opening of shops six days a week— a movement that the smaller units in distribution would find most difficult to follow. Many members of the national organisation wanted new legislation to make provision for the half-day to be extended to one whole day if the majority of local shopkeepers so wished, the local authority being then required to make an order either as a whole, or by designated area, or by specific trade, naming the operative day of the week when such shops should be closed.

Many members of the National Chamber wanted to ensure the closing of shops on Sundays, but—with certain exceptions to cover special public requirements—to provide for full exemption on twenty-four Sundays in the year at seaside and holiday resorts.

Those are but some of the reactions during the recent spate of discussions on shop hours.

The outcome must be a compromise of all the differing claims, and for most of those engaged in retail pharmacy the problems are complicated, as we indicated in the outset, by the National Health Service contract. Pharmacists, of course, should not be excluded from the benefits of more enlightened legislation if it is introduced. Should "special public requirements" demand, however, a more extensive service, then it must be paid for at adequate rates.

Drug Share Movements

THE table below gives the high-low London Stock Exchange quotations during 1961 of some of the important public companies in chemical and allied trades. The figures in the third column represent the middle price at the start of business on July 1.

NAME OF COMPANY £1 units unless otherwise stated	HIGH 1961	LOW 1961	JULY 1 1961
	s. d.	s. d.	s. d.
Albright & Wilson, 5s. ...	29 3	25 1½	25 1½
Ashe Chemicals, 1s.	3 4½	2 7½	2 7½
Aspro-Nicholas, 5s.	27 9 *	17 9	18 0 †
Beecham Group, 5s.	51 9	41 4½	50 10½
Berk, F. W., 5s.	20 10½	13 4½	16 10½
Boots Pure Drug, 5s.	36 0	24 0	28 9
Borax (Holdings), Defd. Ord., 5s.	22 0	17 10½	18 4½
British Drug Houses, 5s. ...	25 6	19 7½	21 4½
Cussons, Sons & Co., 2s. ...	22 3	13 6	19 0
Dubarry Perfumery, 1s. ...	2 5	1 6	1 10½
Fisons	58 9	43 6	44 3
Gee, Arnold M.	3 4½*	2 6	2 9
Glaxo Laboratories, 10s. ...	73 9	56 9	58 3
Greeff Chemical Holdings, 5s.	38 0	22 9	30 9
Hampshire, F. W., 5s. ...	45 0	40 0	42 6
Ilford, 5s.	28 0	23 3	27 3
Imperial Chemical Industries	81 6	63 1½	69 9
Laporte Industries, 10s. ...	30 9	24 0	26 6
Monsanto Chemicals, 5s. ...	26 10½	20 9	21 9
Potter & Clarke, 1s.	4 2	2 0	2 6
Reckitt & Colman Holdings ...	99 9	75 0	79 3
Sangers, 5s.	10 4½	6 9	7 0
Sanitas Trust, 2s.	24 6	20 0	21 9
Savory & Moore, 5s.	46 3	30 3	36 3
Smith & Nephew, 4s.	16 6	13 0	13 0
Sturge, J. & E., 5s.	15 7	12 0	12 3
Taylors (Cash Chemists), London 6% Cum. Pref. ...	17 6	15 11	16 9
Do. (C. C.) Trust 6% Cum. Pref.	17 7	16 0	16 9
Unilever	166 6	139 3	139 3
United Glass, 5s.	22 6	16 0	17 9
Vitamins, 5s.	17 0	12 10	14 9
Whites (Timothy) & Taylors, 5s.	27 9	21 0	23 3
Do. 7½% Cum. Pref. ...	23 0	20 3	22 6
Willows, Francis, 2s. 6d. ...	9 6	6 6	8 0
Yardley & Co. "A," 4s. ...	45 3	30 6	40 0

* adjusted † ex dividend

A PHARMACIST'S ANTHOLOGY

NOT REALLY A POISON

From "The Golden Ass" of Apuleius, translated by Robert Graves

AT last the doctor exclaimed, "Upon my word, I refuse either to let the young man in the dock be punished by you for a crime of which he is not guilty, or let this slave make fools of the Court and escape punishment for his wickedness. Allow me to give you clear proof of the truth of my statements. When this shameless rogue came to me for a quick and deadly poison, I remembered that the art of medicine was invented for the saving, not the taking of human life and decided that it would be a breach of my professional principles if I sold poison to a potential murderer. But I feared that, if I refused to sell, he might go elsewhere for poison or commit the murder which he had in mind by some other means—a sword, for instance, or the first weapon that lay handy. So what I gave him was not really a poison: it was a soporific called mandragora, which is of such powerful action that the trance it induces is practically indistinguishable from death."

CORRIGENDA: By inadvertence the illustrations of the two London pharmacopœias in the article on British College Pharmacopœias (*C. & D.*, June 24, p. 678) were transposed. The author of the article was George Arthur Nelson, Ph.D., F.P.S., and not as stated.

MEDICAL ABSTRACTS

"STAPH." RESISTANCE TO METHICILLIN

FRESHLY isolated strains of staphylococci have been investigated by Stewart (*Brit. med. J.*, 1961. **I.** 863) for evidence of resistance to methicillin. Some strains of *Staph. aureus* showed a limited capacity to develop resistance by subculture *in vitro*, but no resistance appeared *in vivo* in strains re-isolated from patients and carriers treated with methicillin. *Staph. albus* developed drug-resistance at a greater rate.

DIURETIC RESPONSE TO CHLORTHALIDONE

RESPONSE of œdematous patients to the orally active sulphamyl diuretic chlorthalidone* is compared by Stewart and Constable (*Lancet*, 1961. **I.** 523) with response to the same diuretic given with spironolactone† (an aldosterone-antagonist) and to standard doses of mersalyl. They have found chlorthalidone a more potent sodium eliminator than mersalyl in responsive patients; more resistant cases responded better, with less kaluresis, to mersalyl. Spironolactone administered with chlorthalidone enhanced sodium loss and conserved potassium in most cases.

* Hygroton (Geigy Pharmaceutical Co., Ltd.); †Aldactone (G. D. Searle & Co., Ltd.).

REDUCING THE BLOOD-CHOLESTEROL LEVEL

COD-LIVER oil, corn oil and ethyl arachidonate have been given as dietary supplements to young, healthy adults to determine the resultant drop in plasma-cholesterol levels and to investigate why such an effect should occur. Kingsbury, Morgan, Aylott and Emmerson (*Lancet*, 1961. **I.** 739) report that 25 gm. of cod-liver oil had slightly greater hypocholesteræmic activity than an equal amount of corn oil; similar reduction in levels was produced by 10 gm. of ethyl arachidonate. The non-essential acids (pentaenes and hexaenes) of cod-liver oil thus appear to exert an action similar to the essential acid (arachidonic) of corn oil. It is deduced, and supported by previous evidence, that their action on plasma-cholesterol is related to the presence of double bonds, correctly positioned, in the fatty acid molecules.

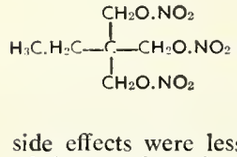
A NEW SYNTHETIC PENICILLIN

THREE recently published papers (*Lancet*, 1961. **I.** 847-51) discuss the activity of a new synthetic antibiotic—α-phenoxypropyl penicillin (PA248)*—particularly against penicillinase-producing staphylococci. In comparative studies Williamson, Morrison and Stevens found that oral PA248 produced peak serum levels about four times as high as penicillin V and 20 per cent. higher than phenethicillin. *In-vitro* tests indicated PA248 was the most effective oral derivative in streptococcal and penicillin (G)-resistant infections. Jackson and Rao report *in-vitro* tests that show PA248 to be more inhibitory than phenethicillin, penicillin V or penicillin G. Clinical response of two groups of patients with respiratory infections, treated by Nagley, was identical using penicillin V in one group and PA248 in the other. The effective concentration of PA248, in relation to other penicillins, appeared to fluctuate with different strains of staphylococci.

* Manufactured by Pfizer, Ltd.

A NEW DRUG FOR TREATING ANGINA

GLYCERYL trinitrate is generally accepted as the drug of choice for relieving anginal pain. A disadvantage lies in its transient effect, which renders prophylactic therapy impracticable except immediately prior to anticipated periods of exertion. A tablet has been formulated that gives a sustained release of glyceryl trinitrate, but Sowton and Oram (*Brit. med J.*, 1961. **I.** 794) report a controlled trial at King's College Hospital, London, of a Scandinavian preparation claimed as effective as glyceryl trinitrate in relieving acute pain and more prolonged in its activity. Its chemical name is 1.1.1. trisnitratomethylpropane.*



Being a nitrate ester, it is suggested to have a similar action to that of glyceryl trinitrate, but to be hydrolysed in the body at a slower rate. Results confirm that the two drugs are equal in controlling pain, but side effects were less severe from an effective 5-mgm. dose of the test drug than from 0·5 mgm. of glyceryl trinitrate.

*Gina (Bayer Products (Division of Winthrop Group), Ltd.).

PHARMACY BEFORE 1900

Memories of a Welsh apprenticeship

IT is sixty-five years or more since my thoughts turned toward the chemist and druggist and his shop. In those days rural Wales especially suffered greatly from the lack of secondary education at a price within the reach of the poorer classes.

After the passing of the Intermediate Education Act for Wales in 1889, for example, six years elapsed before we had even the pretence of a secondary school in Fishguard. Our first intermediate school occupied two rooms, and I well remember the day in January 1895 when the doors were first opened, for I was one of the earliest to enter. There was no provision for teaching chemistry and a cupboard 4 ft. wide and 6 ft. high housed the apparatus for the teaching of physics. The fees for those able to pay were £4 per annum.

At the end of two years or so I left school without much thought of what occupation I should take up. I expect there were many in that mood at that time of life, but the problem had a special urgency for me, for at one time we were a family of sixteen. Some had died young, so that in 1895, when my mother was left a widow, the family was reduced to eleven. My mother—a wonderful mother—asked the headmaster of the school to come and see her. She could get influence, she told him, to enable me to get into a bank or go to a chemist shop. What would he advise? He told her banking was rather monotonous work, day in day out the same thing—dealing in figures and other people's money with no chance of ever becoming one's own master. There was more variety and interest in the chemist shop, and one day the boy should become his own master. He added "If you like, let him come back to school: I'll do my best to get him through the first examination." So back to school I went after an absence of about a year, knowing that there was no chemist shop for me unless I passed the examination. However, the air of mystery about the local pharmacy attracted me, and I had the urge to find out what those gold labels on the bottles and drawers stood for. The dignified look of the man behind the counter, too, clearly brought a great deal of respect from his fellow men.

The subjects for the preliminary examination of the Pharmaceutical Society were arithmetic, English, an essay and quite an amount of Latin grammar, plus translations from Cæsar's "De Bello Gallico"—fifty-four chapters! I persevered with that work until eventually I came to like Latin. The notices summoning me to all my examinations are in my possession today. To pass the first I had to attend at the Boar's Head hotel, Carmarthen (the nearest centre) at 11 a.m. on July 11, 1899 (my birthday). The examination was under the supervision of the late Mr. Walter Lloyd, chemist of that town. The time-table ran: 11 a.m. to 12.30 p.m., Latin; 12.30-2 p.m., arithmetic; 3-4.30 p.m., English. A note from Mr. Richard Bremridge (the then secretary of the Society) on August 3 informed me that I had passed.

Terms of Apprenticeship

Through the influence of a friend, my mother had arranged with Mr. Lewis Evans, chemist, Cardigan, to take me as an apprentice for three years—the terms: a £50 premium; "live in"; wages nil. In those days there was no road transport between Fishguard and Cardigan, eighteen miles away, except by carrier once a week via Newport, Pembrokes, seven miles from Fishguard. In a hired horse and trap I arrived at the pharmacy at noon on the first Saturday in September 1899, market day. My guide and teacher for the next three years was an elderly bachelor. Before me he had had about thirty-five apprentices, and I was his last. At the shop there were one other apprentice and a handy man, an old sailor, and the housekeeper. The hours were 8.30 a.m. to 8.30 p.m., Saturday to 10 p.m., Wednesday to 1 p.m. but, in turns with the governor and the other apprentice, I was expected to hang about the place in case someone came to the door. The food was plain but quite good. He had been in business long since the early 1850's, and was fond of reminding the two of us how well all his apprentices had got on. Some had even become eminent preachers after qualifying!

I entered with gusto into the work at the shop, which increased when my senior left for Dolgelly and later entered the Baptist ministry. The business at Cardigan was a mixed one, with a heavy trade in seeds, both agricultural and garden. It was a period when farmers were turning from liming to artificials such as superphosphate and basic slag and we sold large quantities of them to the local farmers. The heavy seeds and the manures came by sailing ship from Glasgow. They were stored in a large warehouse, away from the shop, where we also manufactured cattle food from locust beans and other cereals. Parry (the old sailor) put them through a mill driven by a powerful gas engine. We had a reputation for our cattle medicines, which included red-water drench, cleansing drench, husk mixture, etc., the last a concoction of tinct. asafoetida made with methylated spirit, turpentine, and linseed oil.

I mastered the art of making and varnishing two kinds of own proprietary pills (wind and indigestion-and-aperient) which were sold at twenty-four for one shilling. They were chiefly of aloes, soap, and caraway oil, with less aloes in the one than the other.

Evening Study Hours

After tea each day, and until 8.30 p.m. closing time, I was allowed to read the British Pharmacopœia, and when no customer came in I wrestled with it as best I could. I found that "the boss," as the old sailor called him, could not assist me much, and after I left I realised that it was not good for me or any other novice in a chemist shop to be left for long periods alone.

I attended the Welsh Presbyterian church and Sunday school, where the minister, Rev. Maelwyn Hughes, D.D. (Leipzig), was a rare scholar. He did all he could to get us apprentices to go to the week-night service as well. One day he called to see Mr. Lewis Evans, and having at last persuaded the boss to agree that I should attend, he went on to make the point that mere consent was not enough, for the shop did not close till 8.30 p.m. Still, it was only occasionally that I managed to get off. In those days the railway had not long come to Cardigan, most of our drugs arrived from Bristol by a small steamer, the "Sea Flower," that made desperate efforts to maintain a weekly service. Empty hampers and oil drums, spirit tins, etc., had to be got ready for the steamer's sailing, and for about two-and-a-half years of the three I spent at the shop I did all that work single-handed. Each day the boss would come into the shop after reading the morning paper and pretend to be busy. Then off he'd go with his dog Sam close at his heels, and we need never expect him back until we saw him arrive. Mr. Evans was a justice of the peace and ex-mayor, and so were his banker and his doctor friends. For long enough I used to wonder why he kept a Bible between the bottles at the back of the counter. Then one day the police-inspector came in with a blue paper and asked for Mr. Evans, whom I called. The inspector showed him the paper, and the boss, after adjusting his gold *pince-nez*, handed the officer the Testament and told him to repeat after him, in Welsh: "I swear that the contents herein written are the truth, the whole truth and nothing but the truth, as I answer God." The boss would then sign.

In my three years the only coin I received was a reward for special services. One rainy night the gutter near the kitchen door got blocked up and there was an imminent danger of flooding. The boss looked at the flood and asked if I could do anything. I at once took off my boots and

stockings, turned up my shirt sleeves, cleared the gutter, and received my reward, a meagre one by modern standards.

I must not forget our "special line" at Cardigan. There was on Saturday nights a brisk trade in a special hair oil, perfumed rather liberally with oil of bergamot. The scent of bergamot filled the chapels of Cardigan every Sunday. In Wales, and indeed in England, too, there is many a pharmacy with a sub-post office. In Cardigan we had what was known as a "stamp office," though we did not sell a single stamp! Our function was to receive deeds and other documents from the local lawyers and send them to Swansea to have the appropriate stamps affixed. We also issued inland-revenue licences such as those for manservants, licences for armorial bearings for carriages, etc., carriage licences, dog, gun and game-shooting licences, and similar forms. I well remember a letter and cheque being received from the local Master of Hounds for fifty-two dog licences. In my innocence I wrote out fifty-two separate licences, and when the excise officer came round to check the books he asked me "Why didn't you get the names of the hounds?" I told him I did not think that was necessary. "My boy," he said, "if you had come to the office to see me, I would have given you one paper to cover the fifty-two hounds."

At the end of my three years I left, and soon came to realise that I had not learned much pharmacy during my apprenticeship. I next had a post at Newport, Mon, where I found there was plenty to do and to learn. I received there a wage of 26s. weekly, living out. I determined to try and make up for what seemed the loss of three years at Cardigan (though I must say the clerical experience stood me in good stead; I knew how to post-up day-books to ledgers and how to make out accounts). Passing over some of the later chemists I served with I come to Mr. Wilde at Brompton Road, London, where I had first-class experience. My carnings there, "living-in," were £33 per annum. Hours were long and there was much after-hours duty. In due course I entered Dr. Muter's College in Kensington Road, and after about four and a half months at the college entered for the "Minor" on April 11, 1908. I had to attend Galen Place at 9.40 a.m. for practical chemistry and at 1.50 p.m. for dispensing. Others who went through the experience will recall how on arrival at 17 Bloomsbury Square one was shown into a large hall, round the sides of which were tables with specimens of drugs, etc. On a platform some officials were busy noting the records, and in the body of the hall were dozens of chairs, on one of which I sat. The proceedings began with a call-over of names of candidates, each of whom was directed to a different examiner. When one examiner had finished his questionings the candidate returned to his chair till called to go to the next. That went on till all subjects had been dealt with and the result was made known to the candidate. For me, as time went on and few were left sitting in the chairs except me, the strain began to tell. I pulled out my notice to attend. Yes, it was in order. I waited for what seemed like hours. Another name was called and another, until I was the only occupant of the hall floor. At long last I heard a voice: "Mr. Lewis." "Yes," I said. "Will you go to Mr. Farr—over there?" Mr. Farr looked at me and said: "You are not the one I am expecting." "I don't think he has turned up," I replied. Fortunately Mr. Farr soon put me at my ease, and Mr. Peck, who took me for chemistry, was a gentleman with whom I got on nicely. At the end I was asked to go up on to the platform as I had seen others before me doing and to shake hands with the president. "You are from Fishguard?", he said, after congratulating me. It appeared he had anchored in our bay in a yacht. I asked him if they had fished there. "Yes," he said, "at night." He knew a thing or two!

I felt on top of the world at my success, and even with little money in my pocket I sent to my dear mother (who lived on to the age of 100 years) the message: "Safe at last. The Harbour's Passed."

COLOUR FILM PROCESSING

The picture at Fencolor Laboratories

THERE are many ways of writing under the title of this article. One could describe the facilities that exist today for such work, and they are many, or perhaps one could describe the work of a particular laboratory, explaining how it works, some of the difficulties, and the ways of improving service to the customer.

Many different kinds of film arrive every day at the writer's laboratory. The majority are straightforward and clearly marked, but a minority are wrongly labelled, and to process as instructed would spoil someone's pictures. Reversal films come in with instructions to process and print; black-and-white films are included for colour processing; one make of film is put in the box of another make that requires quite different processing (Ektachrome, for example, in a Ferraniacolor carton). In consequence every film is checked on entry to ensure that it is what it purports to be, and in this way 4,000 to 5,000 complaints a season are forestalled that would not be entirely the fault of the processor.

Every film is given a work order and a number, and the original order is then similarly numbered and filed. Films go forward to their separate departments for processing since no fewer than eight separate developing processes are operated at the laboratory, and all come in together mechanically to a central drying room from which they are removed. The negatives usually require printing, and then move to the assessors, of whom more later, while the reversal films are cut up and mounted or simply cut into strips. An inspection follows in which the films are handled only by gloved hands. They are then packaged, priced, matched with the original order and dispatched.



Hand-made print processing.

Films that require mounting need an extra process, and that sometimes means the difference between catching one post and the next which, in turn, could mean a day in the retailer's delivery to his customer. However, new automatic mounting machines are being installed, and they will work much faster than present methods. The proportion of mounted transparencies is growing daily, and it is important to see that prompt service is maintained.

Now to consider the negatives, a wholly different proposition! After processing, they pass back to the assessors. Those people are highly skilled, and need to spend years on the job before they develop the necessary "eye" for colour and colour correction. Needless to say, considerable care is taken that any employee's colour vision is normal before he is transferred to training in that section. By looking at the negatives—and they vary widely—a skilled assessor marks the work to a particular channel on a particular en-

printer or enlarger. Each printing machine does a certain amount of self-correction from any negative, but the range of such automation is limited. In order to cover a wide range of negatives, therefore, six basic corrections are set on the machine. They are checked every day electronically and not allowed to vary or "drift" as the phrase is. With several printers, therefore, there are available a few dozen channels, and the assessor fits his negatives into the channel nearest to their needs. Thus he reduces the amount of filtering that has to be done automatically and so, if he is good at his job, he can increase appreciably the number of prints that are acceptable first time. To do so is important, because each print is made full-size, and the paper cost is almost eightpence per sheet. It does not need many errors at that rate to completely remove the profit margin! After negative assessing the printing work designated to the various machines goes into the printer's room. Here the lighting is dim, though the newer machines can be operated in quite a bright light, and though there is really a degree of quiet it is broken by the rustling of paper and the clicking of automatic relays and switches. All prints are printed on to rolls of paper which in turn are processed on a continuous processor. A number of colour papers are available to independent laboratories today, and samples of all are tested at the laboratories from time to time. When a good one is found a whole batch of that paper is bought in order to avoid variation and instability in the materials that in due course will reflect in the finished work. The instability referred to is something unknown to a black-and-white finisher. Colour papers vary considerably through atmospheric change. The relative speed of the three emulsion layers is affected by humidity and temperature. To that end the writer's paper store and printing room are held, by air-conditioning plant, to close limits of relative humidity and temperature. The fine summer of 1959 gave considerable trouble, since the temperatures rose outside the range controlled by the air-conditioning plant and extra equipment had to be brought in, and great lumps of ice, too, in order to maintain strict control over atmospheric conditions.

Drying the Processed Paper

As the paper rolls take up on the dryer, which is attached to the processing machines, they are supervised and watched carefully. Sometimes a paper strip on its way through several solutions becomes physically weak and breaks. That at once causes trouble since, without stopping the machine, which is carrying other strips at the same time, the broken paper has to be fished up, a leader attached to it and somehow or other brought through the machine again. Inevitably such an occurrence spoils a number of pictures, which have to be done again. An electrical breakdown even for half a minute will spoil all the prints in the developer if the operator is not watching every minute and ready to go over to manual operation immediately the current stops. Even that is not possible for long, since the temperature of the solutions is controlled electrically by heating rods for warming and pumped cold water in coils for cooling. Fortunately mains failures are rare.



Making single prints.

The dry rolls are now set up for trimming and assessing. The pictures run as a continuous strip before the assessor who, by a knee switch, is able to stop their travel in order to write a correction on the face of an unsatisfactory print. In the winter, when a high proportion of negatives are underexposed, the percentage rejection at this point may be as high as 40 per cent. At crazy times the author has known it even higher. As the sun rises in the sky the level of exposure improves, and by midsummer the rejection level has dropped to about 20 per cent. All the prints are automatically chopped, and each order is also automatically separated. Complete orders are sent forward for final inspection, checking against the dealer order, pricing, packing and dispatch. But the rejects have to be done again. Now the spoiled print bears on its surface the assessor's correction, and that is applied to the printer by the operator and so, in due course—but half a day later—the print is once more on its way through the machinery. It is important to remember that it has to go to the same enprinter and even the same operator, and he is not exactly sitting waiting for it. In fact it is fed in with the next batch of work which goes in to that operator. Since the laboratory's paper has been all of one batch and all properly stored, it does not matter that the next printing will be on another roll of paper. But should the printing lamp in the machine fail and be replaced with a new one, then all that has gone before is wasted, since the colour temperature of the lamp will be different and will invalidate the correction given by the assessor. However, the print gets made again and in the majority of cases is successful. Some will remain and may be printed again and again before the final poor result has to be sent out.

Although manufacturers of colour film go to enormous expense and care to perfect the sensitometry of their films, once manufactured they can be less than perfect and yet excellent for use in a wide exposure range.

At the toe of the sensitometric curve it is usually found that the balance between the separate emulsions in the film is not perfectly maintained. There is every reason why it cannot be so, but clearly a user is compelled to make an exposure within the straight-line limits of the curve. And, of course, most people, without understanding anything of sensitivity curves, do just that. Of the "impossible to print" negatives most fall on the toe of the exposure curve, and thus the relative colour balance between the three colours is out of balance. The brightest parts of the picture, being better exposed, often print normally, but the darker areas look wrong, and nothing the processor can do will much improve matters. If he corrects for the darker areas then a pronounced colour cast becomes obvious in the lighter parts. Such negatives are sometimes notched as unsatisfactory. None the less every effort is made to produce acceptable prints. The processor is criticised both ways—by the dealer for reducing the value of the sale when no print is made and by the customer sometimes, when a face in the picture has taken on a jaundiced look in a print that can never be really satisfactory.

How the Retailer Can Help

The retailer can help in one or two obvious ways to ensure a better service. He should make sure that any member of his staff who might sell a colour film is absolutely clear as to the difference between negative and reversal films. Mistakes do occur and they cause a lot of trouble. Secondly he should make sure his name and address is on the order. A post-card quoting the retailer's references is easier for the processor to handle and follow up than a continuously ringing telephone. Every inquiry is answered by return of post, since the laboratory's control system allows every order to be "progressed" in the laboratory in a few minutes. The future of colour photography is immense. Let us all play our parts in its development to the best of our ability.

Progressing from Movies to "Stills"

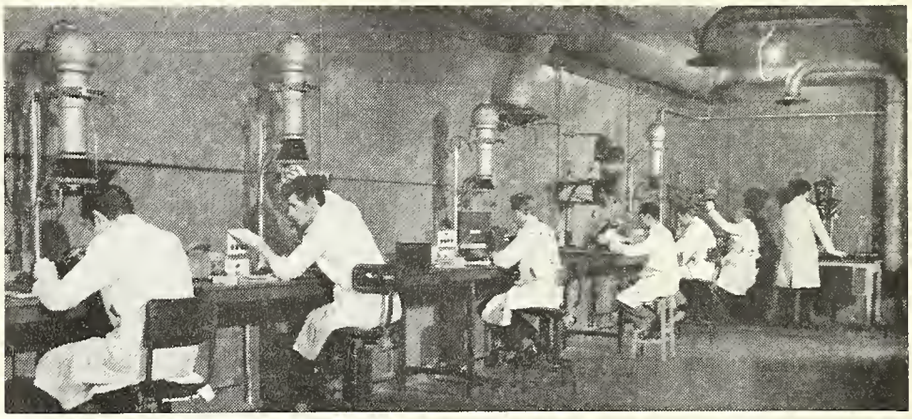
A RANK SUBSIDIARY'S BID FOR A GROWING MARKET

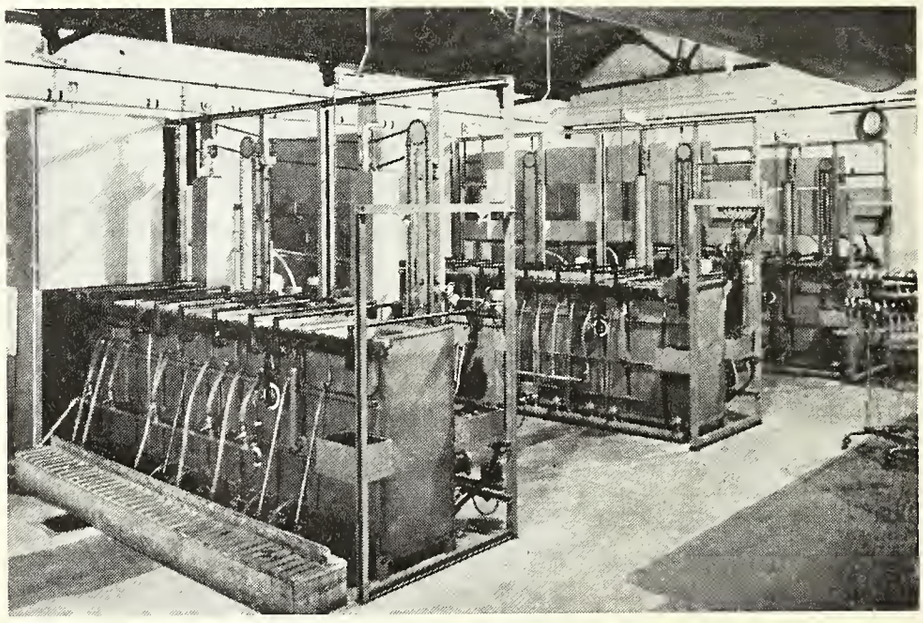
THE fifteen years of pioneer research and development that have taken the Rank Organisation laboratories at Denham, Middlesex, to the summit in the world of cine film processing have also provided a wealth of background experience for the organisation's venture into the field of processing colour "stills."

The group first indicated its intention of treading fresh ground in 1959, when it acquired the Tempo laboratories at Tunbridge Wells, Kent. A new company, Rank Tempo Laboratories, Ltd., was formed, and larger premises were sought that would accommodate the complex up-to-date machinery that the planners were determined to install. Their aim was to create a unit ultra-modern in plan and capable of handling, with entire efficiency, orders from a market that had already developed enormously in popularity. The resultant laboratory, at Cumberland Avenue, London, N.W.10, is now in its second year of operation, and the wisdom of those responsible for its spacious design (the floor space occupies 20,000 sq. ft.) is aptly supported by the reported tenfold increase in turnover so far this year over the same period during 1960.

Messrs. Rank Tempo are today able to offer the facilities of three giant processing machines, each capable of developing over 300 ft. of colour negative film per hour. The machines are reserved respectively for Agfacolor, Gevacolor and Kodacolor processing, and are thus able to operate in accordance with the specific recommendations of the film makers, and to finely controlled standards of temperature and concentrations of processing fluids. Smaller units are kept in reserve for other negative films (Eastman Colour, Ektacolor, Ferraniacolor) and also for Ektachrome (E2 and E3) and Ferraniacolor reversal films. Printing from negatives is carried out on electronically controlled roll-head printers, each of which can be fitted with a 250 ft. spool of tri-pack photographic paper and is able to average 250 prints an hour.

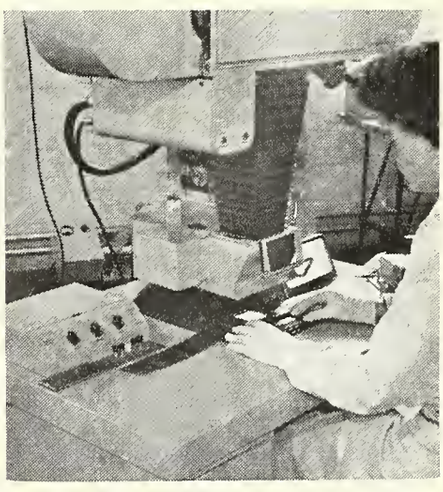
Every negative is examined by skilled graders before printing, so that off-balance film may be corrected by addi-

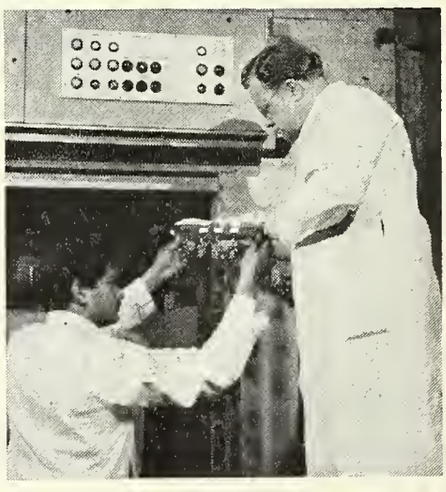






Prints emerge from the driers in strips, are separated in the cutter (at end of bench) and then checked for quality.





Part of the spacious enlarging room (top); developing tanks for processing Agfacolor, Gevacolor and Kodacolor films (centre); a Pako automatic printer (bottom left); strips of developed film being hung up to dry (bottom right).

tion or subtraction of colour bias. The fine tolerance of the electronic printers may be adjusted by push-button controls, which are invaluable where the colour balance has run riot (owing, for example, to a filter having been forgetfully left over the camera lens by the person who originally took the shot).

Enlarging from Agfacolor, Gevacolor, Kodacolor and Ektacolor negatives is also undertaken. Machines have been installed for ENprinting, and twelve enlargers are in more or less continuous use for producing prints of required magnification from whole negatives or selected portions.

Direct printing from transparencies is the most recent innovation in the sphere of colour film technique. It eliminates the necessity for producing an intermediate negative from a transparency from which a print is required.

Messrs. Rank Tempo recently launched their Transprint process, which gives a colour print from any make of transparency up to $2\frac{1}{4}$ x $3\frac{1}{4}$ in. in size.

Chemical control is maintained over the contents of the processing solutions by twice-daily testing in an analytical laboratory situated on the premises. Until the first test has been satisfactorily completed no processing of customers' material is allowed to commence. During the day the tanks are "boosted" with fresh solution at calculated intervals in order to maintain a constant concentration.

The company have installed automatic processes wherever possible not only to ensure a continuous production line but also to reduce human error to a minimum. Print cutting and sorting are done on slow-moving conveyor belts that are timed to make it impossible for different orders to be mixed. Automatic systems are also in operation for numbering the film and in the company's accounts department.

In order to promote their colour processing service, Messrs. Rank Tempo this summer are conducting an extensive trade and consumer advertising campaign. It is a certainty that the postman is going to be extremely busy in Cumberland Avenue for the next few months.

DIRECTORY OF COLOUR PROCESSING SERVICES

THE following table has been compiled to assist the retail pharmacist in dealing with orders for photographic colour work that might not be undertaken at his usual D. and P. centre.

It is based on information supplied by the companies concerned, which are listed alphabetically by county to permit the chemist to have quick reference to the nearest laboratory. Some firms offer van delivery services within certain areas.

Laboratories that process negative films are usually able to undertake ENprinting and enlarging as well. Some firms are now using direct printing methods for making prints from transparencies; intermediate negatives are not produced in those instances.

It is important that no colour film of any make should be included with ordinary black-and-white D. and P. orders.

Films sold "processing included" should be returned by the user to the laboratory stated on the film packets.

ADOXCOLOR negative film processing	Cambs	Fencolor
	London	Ancor
		Grant
		Jones & Bailey
	Norfolk	Norfolk
	Sussex	Millcolor
	Warwicks	Munacolor
ADOXCOLOR reversal film processing	all areas	Adox
AGFACOLOR negative film processing	Cambs	Fencolor
	Ches	Rose (1)
	Dumbartons	Colorfoto
	Eire	Lyall Smith
	Glasgow	Border
	Herts	Colour Labs (SA)
	Kent	Colour Labs (1)
	Lancs	Napcolor
	London	Allcolour
		Ancor
		Colour Labs (2)
		Fielding & Varey
		Grant
		Haagman
		Johnson
		Jones & Bailey
		R. G. Lewis
		Photowork
		Rank Tempo
	Midlothian	Tait
	Northumberland	Turners
	Sussex	Millcolor
	Warwicks	Munacolor
	Yorks	A. H. Leach
AGFACOLOR reversal film processing	Eire	Agfacolor
	London	Agfa
ANSCOCHROME (Regular and Super) film processing	Bucks	Colour Centre
	Cambs	Fencolor
	Eire	Green
	Lancs	Napcolor
	London	Allcolour
		Ancor
		Grant
		Haagman
		Jones & Bailey
	Sussex	Millcolor
ANSCOCHROME cine film processing	Angus	Microfilms
	Bucks	Colour Centre
	Eire	Green
ANSCOCHROME subminiature reversal film processing	all areas	Colour Centre
ANSCOLOR film processing	Cambs	Fencolor
	London	Jones & Bailey
CORONET COLOUR film processing	all areas	Colour Works
EASTMANCOLOR negative film processing	Cambs	Fencolor
	Eire	Lyall Smith
	London	Humphries
		Rank Tempo
	Midlothian	Tait
EASTMANCOLOR cine film processing	London	Humphries
		Kay
	Middlesex	Rank
EKTACHROME film processing		
All types	Cambs	Fencolor
	Ches	Rose (1)
	Cornwall	Newquay
	Gloucs	Temple
	Herts	Kodak (1)
	Lancs	Napcolor
	London	Fielding & Varey
		Haagman
		Johnsons
		Jones & Bailey
		R. G. Lewis
		Olympic
		Rank Tempo
	Northumberland	Turners
	Oxfordshire	Rose (2)
	Sussex	Millcolor
	Warwicks	Munacolor
E1, E2, E3	Glasgow	Border
	London	Grant
E2, E3, EH	London	Ancor
E2, EH	Midlothian	Tait
E3, roll	Herts	Colour Labs (SA)
E3	London	Colour Labs (2)
EKTACHROME cine film processing	London	Film Services
		Kay
		Reed
	Middlesex	Rank
EKTACOLOR negative film processing	Cambs	Fencolor
	Eire	Lyall Smith
	Glasgow	Border
	Herts	Colour Labs (SA)
	Kent	Colour Labs (1)
	London	Allcolour
		Ancor
		Colour Labs (2)
		Fielding & Varey
		Grant
		Photowork
		Rank Tempo
		Supercolour
	Midlothian	Tait
	Norfolk	Norfolk
	Northumberland	Turners
	Sussex	Millcolor
	Yorks	A. H. Leach
FAIRCHILD CINEPHONIC cine film processing	all areas	Colour Centre
FERRANIACOLOR film processing	Cambs	Fencolor
	Ches	Rose (1)
	Cornwall	Newquay
	Dumbartons	Colorfoto
	Eire	Lyall Smith
	Gloucs	Temple
	Lancs	Napcolor
	Leics	Shaw
	London	Ancor
		Fielding & Varey
		Grant
		Haagman
		Johnsons
		Jones & Bailey
		R. G. Lewis
		Rank Tempo
	Midlothian	Tait
	Northumberland	Turners
	Oxfordshire	Rose (2)
	Sussex	Millcolor
	Warwicks	Munacolor
FERRANIACOLOR cine film processing	Angus	Microfilms
	Cambs	Fencolor
	Middlesex	Rank
GEVACOLOR negative film processing	Cambs	Fencolor
	Eire	Lyall Smith
	Glasgow	Border
	Kent	Colour Labs (1)
	Lancs	Napcolor
	London	Allcolour
		Ancor
		Colour Labs (2)
		Fielding & Varey
		Johnson
		Rank Tempo
	Midlothian	Tait
GEVACOLOR reversal film processing	Middlesex	Gevaert
	Norfolk	Norfolk
IKOLOR negative film processing	Cambs	Fencolor
	Eire	Lyall Smith
	Glasgow	Border
	London	Ancor
	Midlothian	Tait
	Sussex	Millcolor

ILFACHROME film processing	all areas	Ilford (1)
ILFACOLOR film processing	Cambs	Fencolor
	Essex	Ilford (4)
KODACHROME reversal and ciné film processing		
(prepaid)	all areas	Kodak (14)
(not paid)	all areas	Kodak (1)
KODACOLOR negative film processing	Cambs	Fencolor
	Ches	Rose (1)
	Dumbartons	Colorfoto
	Eire	Lyall Smith
	Glasgow	Border
	Glouc s	Temple
	Herts	Colour Labs (SA)
		Kodak (8)
	Kent	Colour Labs (1)
	Lancs	Napcolor
	London	Ancor
		Colour Labs (2)
		Fielding & Varey
		Grant
		Haagman
		Johnson
		Jones & Bailey
		R. G. Lewis
		Photowork
		Rank Tempo
		Supercolour
	Midlothian	Tait
	Norfolk	Norfolk
	Northumber-land	Turners
	Sussex	Millcolor
	Warwicks	Munacolor
KRANZCOLOR film processing	all areas	Kranseder
MINOX subminiature film processing	all areas	Jones & Bailey
PAKOCOLOR film processing	Cambs	Fencolor
	London	Ancor
		Grant
		R. G. Lewis
	Surrey	Fotocolor
	Warwicks	Munacolor
PATHESCOPE cine film processing	all areas	Pathéscope
PERUTZ COLOR reversal film processing	all areas	Perutz
PERUTZ COLOR cine film processing	all areas	Perutz
TELCOLOR negative film processing	Cambs	Fencolor
	London	Ancor
		Grant
		Jones & Bailey
		R. G. Lewis
	Warwicks	Munacolor
TELCOLOR reversal film processing	all areas	Grant
VISTACOLOR film processing	all areas	Fotocolor

ENLARGEMENTS		
(*a*) of transparencies (complete or sectional)	Eire	Green
	Herts	Colour Labs (SA)
	London	Allcolour
		Photowork
	Yorks	A. H. Leach
(ILFACHROME)	all areas	Ilford (8)
(*b*) Enlarged prints from all negatives	Cambs	Fencolor
	Eire	Lyall Smith
	Lancs	Napcolor
	London	Grant
		Haagman
		Jones & Bailey
		R. G. Lewis
		Supercolour
	Midlothian	Tait
	Norfolk	Norfolk
	Northumber-land	Turners
	Sussex	Millcolor
	Warwicks	Munacolor
(ANCOR)	all areas	Ancor
NEGATIVES from all transparencies	Herts	Colour Labs (SA)
	Kent	Colour Labs (1)
	London	Ancor
		Colour Labs (2)
		Fielding & Varey
		Grant
		Rank Tempo
	Midlothian	Tait
	Norfolk	Norfolk
	Northumber-land	Turners

PRINTS		
(*a*) from any negative	Eire	Lyall Smith
	Herts	Colour Labs (SA)
	Kent	Colour Labs (1)
	London	Allcolour
(ANCOR)		Ancor
		Colour Labs (2)
		Supercolour
	Midlothian	Tait
(*b*) from any transparency	Cambs	Fencolor
	Dumbartons	Colorfoto
	Eire	Green
	Herts	Colour Labs (SA)
	Kent	Colour Labs (1)
	London	Allcolour
		Colour Labs (2)
		Grant
		Jones & Bailey
	Middlesex	Kodak (9)
	Midlothian	Tait
(ANCOR) (LEWISCOLOR) (TRANSPRINTS) from ILFACHROME	all areas	Ancor
		R. G. Lewis
		Rank Tempo
		Ilford (8)

TRANSPARENCIES		
(*a*) duplicate all sizes	Eire	Green
	London	Allcolour
		Ancor
		Photowork
		Rank Tempo
	Norfolk	Norfolk
	Sussex	Millcolor
	Yorks	A. H. Leach
35 mm.	Herts	Colour Labs (SA)
	London	Grant
35 mm., 120	Cambs	Fencolor
	London	Jones & Bailey
Kodachrome & Ektachrome 35 mm., 828	Middlesex	Kodak (9)
(*b*) from all colour negatives (unmasked)	Kent	Colour Labs (1)
	Cambs	Fencolor
	Herts	Colour Labs (SA)
	London	Colour Labs (2)
		Jones & Bailey
		Rank Tempo
from KODACOLOR negatives only	all areas	Kodak (8)

EXTENDED NAMES AND ADDRESSES

Adox=ADOX FOTOWERKE, Frankfort-am-Main, Germany.
Agfa=AGFA, LTD., Deer Park Road, London, S.W.19.
Agfacolor=AGFACOLOR PROCESSING WORKS, 8 Terenure Road East, Dublin.
Allcolour=ALLCOLOUR SERVICES, 148 Southampton Row, London, W.C.1.
Ancor=ANCOR COLOURPRINT LABORATORIES, LTD., Ormond House, Boswell Street, London, W.C.1.
Border=BORDER SNAPS, LTD., 21 Muslin Street, Glasgow, S.E.
Colorfoto=SCOTTISH COLORFOTO, Alexandria, Loch Lomond, Dumbartons.
Colour Centre=COLOUR CENTRE CINE, LTD., Farnham Royal, Slough, Bucks.
Colour Labs. (1)=COLOUR PROCESSING LABORATORIES, LTD., Heath House, Edenbridge, Kent.
Colour Labs (2)=COLOUR PROCESSING LABORATORIES, LTD., 20 Crown Passage, London, S.W.1.
Colour Labs. (SA)=COLOUR PROCESSING LABORATORIES (ST. ALBANS), LTD., Porters Wood, St. Albans.
Colour Works=COLOUR PROCESSING WORKS, Church Road, Epsom, Surrey.
Fencolor=FENCOLOR LABORATORY, LTD., P.O. Box 47, Cambridge.
Fielding & Varey=FIELDING & VAREY, LTD., 138 Kingston Road, London, S.W.19.
Film Services=COLOUR FILM SERVICES, LTD., 22 Portman Close, London, W.1.
Fotocolor=EXPRESS FOTOCOLOR LABORATORIES (PAKOLOR, LTD.), Church Road, Epsom, Surrey.
Gevaert=GEVAERT LABORATORIES, Great West Road, Brentford, Middlesex.
Grant=GRANT PHOTO LABORATORIES, 196 Lancaster Road, London, W.11.
Green=THE GREEN STUDIO, LTD., 118 St. Stephen's Green West, Dublin, Eire.
Haagman=HAAGMAN COLOUR LABORATORIES, 18 Doughty Street, London, W.C.1.
Humphries=GEORGE HUMPHRIES & CO., LTD., 71 Whitfield Street, London, W.1
Ilford (1)=ILFORD, LTD., Colour Processing Unit, Christopher Martin Road, Basildon, Essex.
Ilford (4)=ILFORD, LTD., Colour Processing Unit, Box 4, Basildon, Essex.
Ilford (8)=ILFORD, LTD., Colour Processing Unit, Box 8, Basildon, Essex.
Johnson=JOHNSON COLOUR LABORATORIES, LTD., 970 North Circular Road, London, N.W.2.
Jones & Bailey=JONES & BAILEY, LTD., 4 Mount Mills, London, E.C.1.
Kay=KAY LABORATORIES, LTD., Oxford Road, London, N.4.
Kodak (1)=KODAK, LTD., Inland Orders, Hemel Hempstead, Herts.
Kodak (8)=KODAK, LTD., Box 8, Hemel Hempstead, Herts.
Kodak (9)=KODAK, LTD., Box 9, Harrow, Middlesex.
Kodak (14)=KODAK, LTD., Box 14, Hemel Hempstead, Herts.
Kranseder=KRANSEDER, G.M.B.H., Munchen 15, Germany.
A. H. Leach=A. H. LEACH & CO., LTD., Photo Works, Brighouse, Yorks.
R. G. Lewis=R. G. LEWIS, LTD., Colour Laboratories, 11 West Central Street, London, W.C.1.
Lyall Smith=LYALL SMITH LABORATORIES, LTD., 8 Terenure Road East, Dublin.
Microfilms=MICROFILMS, LTD., 18 St. Andrews Street, Dundee.
Millcolor=MILLCOLOR, LTD., 48 John Street, Brighton, Sussex.
Munacolor=MUNACOLOR LABORATORIES (MUNNS BROS., LTD.), 45 Camden Street, Birmingham.
Napcolor=NAPCOLOR LABORATORIES (NORTHERN ASSOCIATED PHOTOFINISHERS, LTD.), Rose Grove, Manchester, 12.
Newquay=NEWQUAY COLOUR SERVICES, 21 Crantock Street, Newquay, Cornwall.
Norfolk=NORFOLK COLOUR LABORATORIES (E. E. SWAIN, LTD.), 58 Westgate, Hunstanton, Norfolk.
Olympic=OLYMPIC PHOTOGRAPHIC CO., 37 Mardale Street, London, W.12.
Pathéscope=PATHESCOPE (LONDON), LTD., 38 Brooke Street, London, E.C.1.
Perutz=PERUTZ FOTOWERKE, G.M.B.H., Kistlerhofstrasse 75, Munchen 25, Germany.
Photowork=PHOTOWORK, LTD., 13 Charterhouse Street, London, E.C.1.
Rank=RANK LABORATORIES (DENHAM), LTD., Denham, Uxbridge, Middlesex.
Rank Tempo=RANK TEMPO LABORATORIES, LTD., Cumberland Avenue, London, N.W.10.
Reed=REED'S COLOUR FILM LABORATORIES, 89 Wardour Street, London, W.1
Rose (1)=WILL R. ROSE, LTD., 23 Bridge Street Row, Chester.
Rose (2)=WILL R. ROSE, LTD., 133 High Street, Oxford.
Shaw=HARPER SHAW, Far Street, Loughborough, Leics.
Supercolour=SUPERCOLOUR LABORATORIES, LTD., 89 Wardour Street, London, W.1.
Tait=HAMILTON TAIT, LTD., Penicuik, Midlothian.
Temple=TEMPLE PHOTO SERVICE (VICTOR LATTY, LTD.), 133 Duckmoor Road, Bristol, 3.
Turners=TURNERS (COLORFOTO), LTD., Camera House, Pink Lane, Newcastle-on-Tyne.



The current 'Your Baby' campaign with its half pages in the "Daily Express", "Daily Mirror", "Woman", "Woman's Own" and "Woman's Realm" is providing opportunities for even greater sales of Ostermilk and Farex. For your full share of this extra business read—and encourage your assistants to read—Glaxo Topics and parcel leaflets for sales points. And of course keep up your Ostermilk and Farex displays with the latest crowners and showcards.

The greatest ever demand for OSTERMILK is being followed by the greatest ever demand for FAREX . . . one good food leads naturally to another!

Packs and Trade Prices

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1 doz. x 1-lb. tins 40/-
2 doz. or 3 doz. 1-lb. tins £1 . 18 . 3 per doz.
4 doz x 1-lb. tins or more £1 . 16 . 6 per doz.
(Glaxo 'top-profit' parcels)

FAREX

1 doz. x 10 oz. cartons 12/10
2 doz. x 10 oz. cartons 24/-
(a Glaxo 'top-profit' parcel)

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LINC-O-LIN Beer Shampoo

The genuine beer content in LINC-O-LIN Beer Shampoo brings out the richest tones in the dullest hair, and gives 'body' and 'weight' to fine hair. Suitable for all types of hair, this is the shampoo that creates customer good-will.

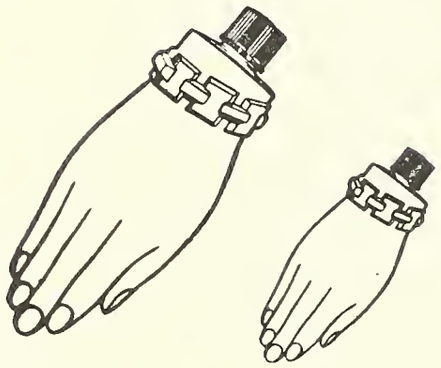
The genuine Beer Shampoo with the 'best bitter' flavour in four fascinating packs:

Box of 6 'Magnum' packs (each containing over 20 shampoos) **16/-** *plus 4/- P. Tax (Retail* **4/6** *each)*

Box of 3 doz. single sachets **15/-** *plus 3/9 P. Tax (Retail* **9½d.** *each)*

Box of 3 doz. Twin Packs (two shampoos—'His' and 'Hers') **20/-** *plus 5/- P. Tax (Retail* **1/-** *each)*

Box of 1 doz. Baby Barrels (each containing four shampoos) **14/8** *plus 3/8 P. Tax (Retail* **2/3** *each)*



LINC-O-LIN Hand Cream

Something unique in packaging and in hand creams. Delightful 4 oz. and 1 oz. hand shaped packs in three lovely pastel shades. Your customers will see instant results after only one application of this wonderful cream with its fresh, clean perfume.

Box of 1 doz. 4 oz. packs. **£1/8/0** *plus 14/- P. Tax (Retail* **4/11** *each*
Box of 3 doz. 1 oz. packs. **25/-** *plus 12/6 P. Tax (Retail* **1/6** *each)*
Box of 1 doz. 4 oz. Refills. **18/-** *plus 8/- P. Tax (Retail* **3/6** *each)*



LINC-O-LIN Universal Hair Treatment

Never before has a hair treatment been so universal! Several functions performed in one application. Reconditions—stops breakage and splitting—restores elasticity—controls dandruff—restores overbleached, overpermed hair to silky suppleness. This delightfully perfumed Treatment is marketed in white polythene packs—enough for four applications.

Box of 1 doz. 2 oz. bottles **16/-** *plus 8/- P. Tax (Retail* **2/9** *each)*

Telephone: EALing 8841

LINCOLN CHEMICALS LIMITED

Administrative Offices: 14A NEW BROADWAY, EALING, W.5.

All Export Enquiries to:
FRANCIS CHAPMAN, SONS & DEEKES LTD., Ramillies Buildings, Hill's Place, Oxford Street, London W.1

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 5: There were few price movements in the CRUDE DRUGS market during the week and orders were again mainly confined to small lots.

Although Chinese MENTHOL again declined during the week to 88s. per lb., duty paid (down one shilling) Brazilian material was firmer because of the forward position. Some sources of IPECACUANHA were quoted higher following business done at the levels quoted last week. GUM ACACIA rose by 5s. per cwt. for the new crop whilst old crop on the spot moved up by 2s. 6d. Among WAXES the forward rate for CARNAUBA was advanced sharply and although the spot rates rose in sympathy they did not follow the movement fully.

In ESSENTIAL OILS Chinese PEPPERMINT was down by one shilling per lb. at 37s. on the spot; Brazilian was unchanged except in the forward position, where it was threepence dearer at 15s. LEMONGRASS was quoted at 16s. 6d. per lb. on the spot and at 15s. 9d. for afloat material. LEMON from Italy remained steady although CALIFORNIAN material continues to rise at source.

Home produced CASTOR OIL was dearer by £2 per ton. COD-LIVER OIL production in Britain is reported to be running 16 per cent. lower than last year.

Demand for and the prices of PHARMACEUTICAL CHEMICALS remained steady during the week. The only price change was a reduction in the rates for AMIDOPYRIN.

The new base price for refined NICKEL is £660 per ton, representing an increase of £60 per ton. Appropriate increases are being introduced in other countries. New prices are also being announced for other forms of primary nickel.

Pharmaceutical Chemicals

ADRENALINE. — (Per gm.). Synthetic B.P. 1-kilo lots, 11d.; 500 gm., is 1s. 1d. ACID TARTRATE, B.P., 1 kilo, 7½d.; 500 gm. 9d.

AMIDOPYRIN. — Lower. Per lb. 16s. 8d. for 5-cwt. lots; 1-cwt., 17s. 5d.; less than 1-cwt., 18s. 5d.

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C. 1949, 4s. 5d. per lb.

AMMONIUM BICARBONATE.—B.P. powder, £50 5s. per ton; CARBONATE, £81 10s. for lump and £85 10s. for powder.

AMMONIUM CHLORIDE. — One-cwt. lots B.P. powder, 105s. per cwt.; technical, 55s.

ANEURINE HYDROCHLORIDE. — 1-kilo £9 5s.; 10-kilos, £8 17s. 6d. per kilo.

ASCORBIC ACID.—One-kilo, £3 2s.; 10 kilos, £2 19s. 6d. per kilo. SODIUM ASCORBATE is 6s. per kilo more than the acid.

BISMUTH SALTS. — Prices (per lb.) in packages over 2-lb.:—

	28 lb. to 1 cwt.		1 cwt.		5 cwt.	
	s.	d.	s.	d.	s.	d.
CARBONATE ..	20	6	20	0	19	6
SALICYLATE ..	20	3	19	9	19	3
SUBGALLATE ..	19	9	19	3	18	9
SUBNITRATE ..	18	6	18	0	17	6

The AMMONIUM CITRATE is 55s. per lb. and SODIUM TARTRATE, 35s.; OXIDE, 26s. 10d.; OXYCHLORIDE, 27s. 3d.; SALICYLATE, 19s. 9d., in cartons of 28-lb.

BORAX.—B.P. grade, 1 ton and upwards: Granular, £56 10s.; crystals, £60; powder, £61; extra fine powder, £62 per ton, all in hessian sacks. Commercial from £46 10s. to £52 per ton, as to type and packing. Dehydrated borax is £60 per ton in paper-lined hessian bags or £59 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID.—B.P. grade in 1 ton and upwards (per ton): Granular, £91 10s.; crystals, £99 10s.; powder, £97; extra-fine powder, £99 per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £77 10s. to £87 per ton according to type and packing.

CALCIFEROL.—B.P., 3s. 3d. per gm. for 1-kilo lots.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £34 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P.C. fused, granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Three-cwt. and upwards, 3s. 6d. per lb.; 1–2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE. — £7 10s. per kilo.

CALCIUM PHOSPHATE.—B.P.C. is 1s. 5d. per lb. for 1-cwt. lots and 1s. 4d. for 5-cwt.

CALCIUM SUCCINATE.—10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CYANOCOBALAMIN.—Ten-gm. lots, £12 per gm.

FOLIC ACID. — B.P. and U.S.P., 1-kilo lots, £28 per kilo.

IRON SALTS.—GLUCONATE, B.P.C., 6s. 3d. per lb. in 1-cwt. lots; SULPHATE, B.P., crystals, 9½d. per lb. in 28-lb. lots: 1-cwt., 57s. 6d. per cwt., 5-cwt., 52s. 6d. per cwt.; SULPHATE EXSICCATED, 1s. 5d. per lb. for 28-lb., 1-cwt., 123s.; 5-cwt., 113s. per cwt., 1-cwt. fibre kegs free. Other packages extra. PHOSPHATE, B.P.C., 28-lb., 3s. 6d. per lb.; 1-cwt., 3s. 3d. PHOSPHATE, B.P.C., 1-cwt., 3s. 6d. per lb. OXIDE RED PRECIPITATED, B.P.C., 1949, 1-cwt., 2s. 1d. per lb.; CARBONATE, SACCHARATED, B.P.C., 1949, 28-lb., 3s. 3d.; 1-cwt., 3s. AMMONIUM CITRATE, scales, 4s. 3d.; granular, 3s. 5d. per lb. (5-cwt. lots). AMMONIUM SULPHATE, 1-cwt., 1s. 7d. per lb. QUININE CITRATE, 2s. 3d. per oz. in 100-oz. tin.

MENAPHTHONE. — (One-kilo-lots). B.P. 170s. per kilo; ACETOMENAPHTHONE, B.P., 170s.; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), 180s.

METHYL SALICYLATE. — Five-ton lots, 3s. 2d. per lb.; 1-ton, 3s. 2½d.; 10-cwt., 3s. 3d.; 5-cwt., 3s. 4d.; 1-cwt., 3s. 5d.

NICOTINAMIDE. — (Per kilo). One-kilo, 60s.; 10 kilos, 59s.; 50 kilos, 57s.

NICOTINIC ACID. — One-kilo, 39s.; 50-kilos, 36s. per kilo.

NIKETHAMIDE.—Per kilo, 100s.

PIPERAZINE.—(50-kilo lots), ADIPATE, 22s. per kilo; CITRATE, 20s. 6d.; HEXAHYDRATE, 17s.; PHOSPHATE, 23s.; TARTRATE, 22s. 6d.

PROCAINE HYDROCHLORIDE.—100-kilo lots, 45s. per kilo.

PYRIDOXINE. — One-kilo, £41 per kilo: 10 kilos, £40 10s.

RIBOFLAVINE. — One kilo, £13 5s.; 10-kilos, £12 17s. 6d. per kilo.

SALICYLAMIDE.—One-cwt., 6s. 3d. per lb.; 5-cwt., 5s. 11d.

SAL PRUNELLA.—Balls, 3s. 10d. per lb. in 1-cwt. lots.

SANTONIN.—5-kilo lots, 400s. per kilo (11s. 4d. per oz.).

SULPHOCARBOLATES.—SODIUM PHENOSULPHONATE, B.P.C., 1949 (powder), 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949 is 5s. 6d.

VITAMIN A.—Synthetic. Supplied in concentrate 1 million international units per gm. as acctate or palmitate the price is 9d. per million i.u.

VITAMIN D_2.—In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline: see under calciferol.

VITAMIN E (synthetic or natural).—TOCOPHERYL ACETATE, B.P.C., 25 gm. to 100 gm., 11d. per gm., 100 gm. to 1 kilo, 9d. per gm.; 1 kilo and under 10 kilos, £30 5s. per kilo; 10 kilos, £29 10s. per kilo. Equivalent prices for unesterified are: 11½d. and 9½d. per gm. and £34 and £33 12s. 6d. per kilo.

Alcohol

BRITISH SPIRIT (fermentation grades) per proof gall.:—

Ethyl Alcohol: (95 per cent. Gay Lussac, 66 *o.p.*): where the minimum delivery is 2,500 proof gall. or over 3s. 9d.; 1,500, 3s. 10d.; 500, 3s. 11d. Prices are exclusive of duty and are for tank wagon lots. In 40–90-gall. drums there is a surcharge of threepence per proof gall.

Absolute Alcohol, 95·5 per cent., 74·5 *o.p.*, from 4s. 1d. to 4s. 3d. for same quantities; the special high strength (99·9 per cent., 75·2 *o.p.*) from 4s. 5d. to 4s. 9d. (in drums). *Doubly Rectified Alcohol* (*S.V.R.*) 95·8 per cent., 68 *o.p.*, from 3s. 11d. to 4s. 1d. *R. R. Absolute Alcohol* (re-rectified), 99·7 per cent., 75 *o.p.*, 8s. per bulk gall. net (for 40-gall. drums).

Duty is £10 12s. 4d. per proof gall.

SYNTHETIC GRADES (supplied only to buyers authorised by Customs and Excise to buy duty free) the 95 per cent. is from 3s. to 3s. 2d. and ABSOLUTE (99·5 per cent.), 3s. 3d. to 3s. 5d.

Methylated Spirit

METHYLATORS' rates per bulk gall. in Great Britain are as follows:

Industrial Methylated spirit: Strength 61 *o.p.*, 500 gall. and over, 5s. 4d.; 100 gall. and under 500 gall., 5s. 8d.; 40 gall. and under 100 gall., 6s. 0½d.; 10 gall. and under 40 gall., 6s. 6½d.; 5 gall. and under 10 gall., 7s. 0½d. Strength 64 *o.p.*, ½d. per gall.; 66 *o.p.* (B.P.), 1d.; 68 *o.p.*, 3½d. more than the above rates with 74 *o.p.* at 6s. 1½d.; 6s. 5½d.; 6s. 10d; 7s. 4d. and 7s. 10d. for similar quantities. Tank wagon delivery is 2d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 6s. 9d. (tank wagon) for 500 gall. to 8s. 1½d. (10 gall. drums) for 64 *o.p.*

Pyridinised industrial methylated spirit: Strength 66 *o.p.*, 500 gall. and over, tank wagon delivery, 5s. 6½d.; 500 gall. in 40-gall. drums, 5s. 8½d.; 100 gall. and under 500 gall. (in drums), 6s. 0½d.; 40 gall. and under 100 gall., 6s. 5d.; 10 gall. and under 40 gall., 6s. 11d.; 5 gall. and under 10 gall., 7s. 5d.

Mineralised methylated spirit: Strength 64 *o.p.*, in one delivery, 100 gall. and under 500 gall., 6s. 0½d.; 40 gall. and under 100 gall., 6s. 5d.; 10 gall. and under 40 gall., 6s. 11d.; 5 gall. and under 10 gall., 7s. 5d.

Terms.—Deliveries free and carriage paid on returned empties; net cash.

Crude Drugs

ACONITE. — Spot: Spanish *napellus*, 2s. 6d. per lb.

BELLADONNA. — LEAVES, 1s. 9d. per lb., spot. Dutch for shipment (t.a. not quoted) 2s., c.i.f. ROOT, 0·65 per cent., 1s. 9d. per lb., spot.

CAPSICUMS. — Chinese, on stalk, 150s., duty paid; Ethiopian, 200s.

CASSIA. — *Fistula*, 105s. per cwt.; *lignea* (whole), spot 420s., duty paid.

CHAMOMILE.—Belgian, 6s. 6d. to 7s. 6d. per lb. as to quality; Hungarian type, 6s. 6d.

CHERRY BARK. — Thin natural, 2s. per lb

CHILLIES. — Nigerian, 185s. per cwt. Mombasa, 350s.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 5s. 3¼d.; 3 O's, 4s. 10¾d.; O, 4s. 7d.; quillings, 3s. 3¾d.; featherings, 1s. 6¾d.

CLOVES.—Zanzibar spot, 2s. 10d. per lb.; shipment, 2s. 7¼d., c.i.f.

COCHINEAL.—Black-brilliant, 11s. 6d. per lb., silver-grey 10s., spot; Peruvian silver-grey, 4s. 6d.

COCILLANA. — Bark, 2s. per lb., spot; 1s. 8d., c.i.f.

COLOCYNTH PULP.—Spot, 2s. to 2s. 6d. per lb. as to quality.

DIGITALIS. — *Purpurea* for shipment, old crop, 11d.; new crop, 2s. 4d. per lb., c.i.f.

ELEMI.—Spot, 2s. 1d. per lb. Shipment, 1s. 11d., c.i.f.

ERGOT. — Portuguese 7s. 6d. per lb., c.i.f., for prompt shipment; spot, 8s.

FRANGULA.—Spot, 87s. 6d. per cwt.

GENTIAN.—Spot, French, 150s. per cwt.

GINGER.—African, spot, 175s.; new crop for shipment, 165s. per cwt., c.i.f. Jamaican No. 3, spot, 230s. Cochin, shipment, 127s. 6d., c.i.f.; spot, 140s. (per cwt.).

GUM ACACIA. — Kordofan cleaned sorts, 145s. per cwt., spot; new crop, July–August shipment, 131s., c.i.f.

HENNA. — Indian, spot, 87s. 6d. per cwt.; shipment, 62s. 6d., c.i.f.

HONEY. — Australian light amber, 102s. 6d. to 107s. 6d. per cwt. and medium amber, 96s. to 98s. Argentine, 112s. to 115s. Jamaican, 115s. to 120s.; Canadian clover, 145s. to 150s., all ex warehouse.

IPECACUANHA. — For shipment, c.i.f., per lb.—Costa Rican, 68s. 6d.; Matto Grosso, 51s.; Colombian, 49s. 6d. to 53s. Spot: Matto Grosso, 53s. 6d.; Colombian, 54s.

JUNIPER BERRIES. — Italian, 100s. per cwt.; German, 120s.

KARAYA. — No. 1 gum, spot 325s. per cwt. nominal; No. 2, 225s.

KOLA NUTS. — Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS B.P. is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS B.P., 150s., free drums, delivered.

LINSEED.—Whole, 70s. to 75s. per cwt.; crushed, 105s.

LIQUORICE. — Natural root: Persian on the spot, 40s. per cwt.; Anatolian, 60s. Block juice: Anatolian from 190s. per cwt.; Italian stick from 392s. to 470s. per cwt.

LOBELIA HERB.—American spot, 8s. 9d. per lb. Dutch not offering.

LYCOPODIUM.—Indian 15s. per lb., spot. Russian not quoted.

MACE.—Whole pale blade, 22s. per lb., spot.

MENTHOL. — Chinese: spot, 81s. per lb., duty paid; shipment, 65s., c.i.f. Brazilian, 46s. 6d., in bond, shipment, 44s., c.i.f. (September–October). Formosan, 48s., in bond; shipment, 46s. 6d., c.i.f.

MERCURY. — About £66 per flask of 76-lb.

NUTMEGS. — West Indian 80's 12s. per lb., spot: sound unassorted, 8s. 9d.; defectives, 6s. 6d.

NUX VOMICA. — Shipment (per cwt.). Cochin 70s., c.i.f.; Madras, 65s., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon 1s. 10d. per lb.; bitter quarters: West Indian 11d.; Spanish, 1s.; bitter ribbon, 1s. 3d.

ORRIS ROOT.—Florentine, 335s. per cwt.

PAPAIN. — Tanganyikan, 14s. 6d. per lb., c.i.f., for grade one; spot 15s. Congo, 12s. 6d., c.i.f. Ceylon brown, 15s., c.i.f.

PEPPER. — White Sarawak, spot, 3s. 7d. per lb.; shipment, 3s. 6½d., c.i.f. Black Sarawak, spot, 3s. 2d.; shipment, 3s. 1d., c.i.f. Black Malabar, 400s. per cwt. spot, and 395s., c.i.f.

PEPPERMINT. — Dutch whole leaves, 3s. per lb., c.i.f.

PIMENTO.—Spot, 560s. cwt.; shipment, 500s., f.o.b.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUILLAIA. — Shipment, 175s. per cwt., c.i.f.; spot nominal.

RHUBARB.—Chinese small rounds from 5s. 6d. to 6s. 9d. per lb. on the spot.

SARSAPARILLA. — Jamaican native red spot, 2s. 6d. per lb.; shipment, 2s. 1d., c.i.f.

SEEDS. — (Per cwt.). ANISE.—Cyprian, 200s., spot. CARAWAY.—Dutch, 137s. 6d., duty paid. CELERY.—Indian, 165s., spot; shipment, 160s., c.i.f. CORIANDER.—Moroccan, 120s., duty paid; shipment, 112s., c.i.f. Indian bold spot, 110s.; shipment, 91s. 6d., c.i.f. CUMIN. — Indian, 175s. spot; shipment, 165s., c.i.f. Iranian, 165s., duty paid; shipment, 132s. 6d., c.i.f. DILL.—Indian, 97s. 6d. spot; shipment, 87s. 6d., c.i.f. FENNEL.—Chinese, 105s., duty paid. Indian spot, 100s.; shipment, 92s. 6d., c.i.f. FENUGREEK.—Moroccan, 90s., duty paid; shipment, 78s. 6d., c.i.f. MUSTARD.—English, 40s. to 85s., according to quality.

SENEGA.—Spot, 20s. 6d. per lb.; shipment, 18s., c.i.f.

SENNA. — *Tinnevelly* LEAVES, prime No. 1 cleared; f.a.q. No. 3, 11d. PODS: manufacturing (f.a.q.), 11d. and hand-picked, 1s. 6d. to 1s. 10d. *Alexandria* pods: Manufacturing, 1s. 6d.; hand-picked, 4s. 6d. to 7s. 6d.

SHELLAC. — F.O.T.N., 200s. per cwt.; No. 1, 220s.; F.O., 235s. to 285s. spot.

SLIPPERY ELM.—Bark, 3s. 6d. lb. landed value.

SQUILL.—White 75s. to 85s. per cwt. spot, as to holder.

STYRAX. — Spot, 25s. 9d. per lb., shipment, 24s., c.i.f.

TONQUIN BEANS.—Para spot, 6s. per lb. Shipment nominal. Angostura 11s.

TRAGACANTH.—No. 1 ribbon, £145 to £150 per cwt. No. 2, £135 to £140.

TURMERIC.—Madras finger on spot 120s. per cwt.; shipment, 110s., c.i.f., quoted.

VALERIAN ROOT.—Spot: Belgian, whole (max. 2½ per cent. sand) for prompt shipment, 145s., c.i.f.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 22s. 3d.; 1-cwt., 22s. 6d.; 56-lb., 22s. 9d.; small quantities, 23s.

WAXES. — (Per cwt.). BEES.—Dar-es Salaam, spot, 460s.; shipment, 420s., c.i.f. Abyssinian, 390s. in bond; shipment 370s., c.i.f. Sudanese, spot, 410s. nominal; shipment, 360s., c.i.f. CANDELILLA, spot, 465s. CARNAUBA, fatty grey, spot, 445s.; shipment, 430s., c.i.f.; prime yellow, spot, 670s. quoted; shipment, 650s., c.i.f.

WITCH HAZEL LEAVES.—New crop not yet offering.

Essential and Expressed Oils

ANISE. — Chinese, 8s. per lb., spot; shipment, 7s. 10½d., c.i.f.

BOIS DE ROSE.—Brazilian, 13s. 6d. per lb. on the spot and 12s. 6d., c.i.f.

CALAMUS.—Spot, 56s. 6d. per lb.

CASSIA.—Short with prices nominal.

CASTOR.—Home produced B.P. oil, spot, £162 per ton naked ex mill (2-ton lots).

CEDARWOOD.—American rectified 8s. per lb. on the spot.

CINNAMON. — From quillings, best English-distilled is 650s. per lb.; other B.P. oils from 85s. per lb. Ceylon leaf, spot, 9s. 6d. per lb.; Seychelles, 7s., spot.

CITRONELLA. — Ceylon, spot, 6s. 4½d.; shipment, 6s. per lb., c.i.f. Formosan, spot, 6s. 9d., in bond; shipment, 6s. 8d., c.i.f.

CLOVE.—Madagascar leaf, spot, 7s. 6d. per lb., duty paid; shipment, 6s. 9d., c.i.f. Rectified 87–88 per cent., 12s. Distilled bud-oil, English, B.P., 28s. for 1-cwt. lots.

COD-LIVER. — B.P. is 11s. 6d. per gall. including charged returnable drums. Veterinary is from 9s. 6d. per gall. Delivered terms, 25-stone lots.

CUMIN. — Imported oil, 90s. per lb.; English-distilled, 85s.

EUCALYPTUS.—Spanish, 3s. to 3s. 6d. per lb. spot Chinese, 3s. 3d., all duty paid.

GERANIUM.—Bourbon, 95s. to 100s. per lb. on the spot: Algerian, 95s. to 105s.

GRAPEFRUIT.—Florida, 18s. per lb.

LAVANDIN.—Spot from 7s. per lb. for original drums.

LAVENDER.—From 17s. to 50s. per lb. as to quality.

LEMON. — Californian cold-pressed from 27s. per lb., spot; Sicilian, about 29s.

LEMONGRASS. — Spot, 16s. 6d. per lb., afloat, 15s. 9d., c.i.f.; July–August, 15s. 3d., c.i.f.

NUTMEG.—Imported B.P. oil is from 50s. to 90s. per lb. as to source. English distilled, 140s.

ORANGE.—Spot quotations of sweet oil include Floridan at 3s. 6d. per lb.; West Indian, 3s. 6d.; Israeli, 7s. 6d., nominal; Californian, 5s. 3d. to 7s. 6d.

OTTO OF ROSE.—Bulgarian, 400s. per oz. Turkish, £350 per kilo.

PALMAROSA. — Spot, 37s. 6d. per lb.; shipment, 36s., c.i.f.

PATCHOULI. — Penang is 40s., duty paid and 35s., c.i.f., per lb.

PEPPERMINT. — *Arvensis:* Chinese spot, 37s.; shipment, 32s., c.i.f. Brazilian spot, 15s. 6d.; July shipment, 15s., c.i.f. *Piperita:* Italian, 48s. per lb., spot. American from 30s. to 45s. per lb. as to make.

PETITGRAIN.—Paraguay, 18s. 9d. per lb., spot; shipment, 18s., c.i.f.

UNITED STATES REPORT

NEW YORK, JULY 3: EPHREDINES were reported to be a shade firmer on advices of about two cents per oz. by producers abroad. Trade sources indicated that producer prices for HYDROCORTISONE ranging from $1·05 to $1·17 per gm. were being shaded and multiple lots were said to be available as low as 85 cents. Lower per lb. among CRUDE DRUGS were Cape ALOES at 32 cents, down two cents, with Curaçao aloes at 52 cents, down two cents; STYRAX at $4·50, down 10 cents; Spanish SAFFRON at $22·75, down 75 cents, and Mexican SARSAPARILLA at 30 cents, down five cents. Lower per lb. among ESSENTIAL OILS were SPEARMINT at $4·75, down 25 cents; Bourbon GERANIUM at $15·50, down 75 cents, and Bourbon VETIVERT at $16·50, down 50 cents.

TELEVISION

Figures in the columns represent number of appearances of the product during the week.

July 16—22	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward
1-2 Spray ..	—	—	—	—	—	4	—	—	—	—
Aidex	1	1	1	1	1	1	1	1	1	1
Alka-Seltzer ..	10	10	10	5	4	4	3	4	5	3
Anadin	5	3	1	6	4	6	5	1	—	5
Andrex	—	—	3	—	3	—	—	3	3	3
Anne French ..	1	1	1	—	1	2	—	1	—	—
Askit powders ..	—	—	—	12	—	—	6	—	—	—
Aspro	2	4	4	6	4	4	4	4	—	5
Bisodol	—	—	—	—	5	—	—	—	—	—
Bristow shampoo	2	2	1	4	3	3	1	2	—	—
Brylcreem ..	3	3	3	3	4	1	1	2	3	3
Christy's lano-line shampoo..	3	—	—	—	—	—	—	—	3	—
Coldrex	2	3	2	2	3	2	—	1	2	5
Cooper's aerosols	3	4	4	4	4	4	3	4	3	3
Delrosa	—	—	—	—	—	—	3	—	2	—
Delsey	2	2	3	—	4	3	3	3	1	6
Dramal	1	1	3	4	3	3	2	2	2	2
Elliman's foot cream ..	1	1	—	—	—	—	—	—	—	—
Eno's fruit salt..	2	2	2	2	2	2	2	2	2	2
Euthymol ..	1	—	—	1	—	—	—	—	—	—
Ex-Lax	—	—	—	—	—	2	—	1	—	—
Freezone ..	—	—	1	—	—	—	2	—	—	—
Immac	3	2	2	3	3	4	—	1	2	—
Imperial Leather soap	3	3	4	2	3	3	2	2	2	3
Ingram shaving cream	3	3	3	3	3	3	3	3	4	—
Kleenex ..	—	1	—	3	1	2	1	1	2	2
Lanospray ..	2	2	2	2	2	2	2	2	2	2
Loxene hair cream ..	1	3	3	4	3	3	1	2	2	—
Macleans tooth-paste	1	1	3	1	1	2	4	5	3	3
Mark Vardy ..	1	2	6	1	2	4	1	3	3	—
Milk of Magnesia tablets..	—	1	—	1	2	1	3	1	—	1
Mum deodorant..	1	—	—	1	3	4	1	3	—	—
Nivea creme ..	2	2	2	2	3	2	1	3	3	2
Nonocal 900 ..	5	—	—	—	—	—	—	—	—	—
Phillips tooth-paste	9	—	—	—	—	6	—	—	—	—
Poppet	2	—	—	—	—	—	—	—	—	—
Pretty Quick ..	—	—	—	—	2	—	—	—	—	—
Q-tips	—	—	—	6	—	—	—	—	—	—
Rinstead pastilles	—	—	—	—	—	2	—	—	—	—
Rosedale colour spray	1	3	1	1	1	—	1	—	1	—
Saxin	1	—	1	1	1	1	1	2	—	—
Schick shavers ..	4	4	4	4	4	4	4	4	4	4
Sek	1	1	—	—	—	—	—	—	—	—
Silvikrin pure ..	—	2	2	—	—	—	—	—	—	—
hair cream..	2	2	2	—	—	—	—	—	—	—
shampoo ..	3	1	2	2	3	5	2	2	2	1
Smokies	4	1	3	3	3	4	2	3	2	4
Span shampoo ..	—	—	—	—	—	1	—	2	—	—
Valderma ..	1	—	—	—	—	6	—	—	—	—
Valpeda ..	3	1	2	4	—	4	2	3	—	—
Veet "O" ..	1	—	3	—	—	—	—	—	—	—
Vosene	3	2	2	1	1	1	1	1	—	—
Winspray ..	—	—	—	1	1	1	—	2	2	—
	4	2	—	—	2	1	—	4	—	2



FOR REPEAT SALES: Display outers for (left), twelve bottles of refill solutions in assorted colours and (right), twelve polythene spray containers of Anita colorised hair lacquer. Makers are Ford Jackson & Co. (Sales), Ltd., 129 Carlton Street, Castleford, Yorks.



INSTRUCTION IN HAIR CARE: Produced for County Laboratories, Ltd., by Educational Productions, Ltd., 17 Denbigh Street, London, S.W.1, the 20 x 30 in. poster illustrated is in several colours. The posters are available through Messrs. Educational Productions to secondary modern and grammar schools.

PRINT AND PUBLICITY

PUBLICATIONS

Catalogues

KODAK, LTD., Kingsway, London, W.C.2: Kodak Trade Circular for the professional user, No. 6, July. New entries include the Reflex III camera and Ektachrome film processing chemicals for E2 and E3 processes.

ASSOCIATION OF BRITISH MANUFACTURERS OF AGRICULTURAL CHEMICALS, 86 Strand, London, W.C.2: Directory 1961. Pp. 50. Includes a list of insecticides, fungicides, weed-killers and related products available from members of the Association, and names and addresses of suppliers.

AGFA, LTD., 27 Regent Street, London, S.W.1: Catalogue of cameras, accessories, equipment, Agfacolor and Isopan films, developers, papers and recording tapes. Pp. 48.

Periodicals

KODAK RESEARCH LABORATORIES, Eastman Kodak Research Co., Rochester, N.Y., U.S.A.: *Monthly Abstract Bulletin*. Vol. 47, No. 6. June. Pp. 46.

PHOTOPIA, LTD., Hempstalls Lane, Newcastle, Staffs: *Photopia News Bulletin*. June 19. Pp. 4.

Booklets and Leaflets

AGFA, LTD., 27 Regent Street, London, S.W.1: Agfacolor prints, transparencies, cine films. Pp. 6.

GEORGE T. GURR, LTD., 136 New King's Road, London, S.W.6: "Gurr's Commentary." Supplement on fluorescence microscopy. Pp. 16; "First plastic staining trough . . . precision moulded in polypropylene." Leaflet.

F. W. BERK & CO., LTD., 8 Baker Street, London, W.1: "Molten Sulphur."—advice on its handling and storage.

IMPERIAL ALUMINIUM CO., LTD., P.O. Box 216, Witton, Birmingham, 6: "Impalco tube-in-strip." Descriptive leaflet.

HOPKIN & WILLIAMS, LTD., Chadwell Heath, Essex: "Curcumin . . . reagent for boron." Organic chemical reagents monograph No. 42 (1961). Pp. 4.

GERHARDT-PENICK, LTD., Thornton Laboratories, Purley Way, Croydon: "Insist on Dethlac . . . press-button death to all flying and crawling insects." 4-p. counter leaflet.

PRESS ADVERTISING

PEPSODENT, LTD., 449 London Road, Isleworth, Middlesex: Soft Twink. In *Woman, Woman's Own, Woman's Realm, Woman's Mirror, Woman's Illustrated, Valentine, Marty, Daily Mirror.*

PHILLIPS, SUTT & TURNER, St. Mark's Hill, Surbiton, Surrey: Coldrex. In *Daily Mirror, Daily Express, Daily Mail, Daily Herald, Belfast Telegraph, Glasgow Sunday Post.* July-August.

RAPIDDL, LTD., 27 Dover Street, London, W.1: Inecto Hair Magic black. In *Daily Mirror, Woman, Woman's Own, Woman's Mirror, Woman's Realm, Woman's Illustrated, Woman's Day, Housewife, Good Housekeeping, Vanity Fair, Everywoman, She, Modern Woman, Woman's Journal, Argus Women's Group, Woman and Beauty, Hair Fashion.*

SOREX (LONDON), LTD., Tonbridge Road, Maidstone, Kent: Sorexa Plus rat bait. In leading farming papers.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Wednesday, July 12

IRISH CHEMISTS' GOLFING SOCIETY, Royal Dublin golf club, Dollymount, Dublin. Fixture.

LONDON CHEMISTS' GOLFING SOCIETY, Crews Hill golf club, Enfield. Fixture.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Fixly Hall, Huddersfield. Hough Hoseason Trophy and prize.

HEALTH PHYSICS EXHIBITION, Concert hall, Students' Union, Imperial College of Science and Technology, Prince Consort Road, London, S.W.7. 10 a.m. to 5 p.m.

Thursday, July 13

WEST HAM ASSOCIATION and EAST METROPOLITAN BRANCH OF THE PHARMACEUTICAL SOCIETY, Summer outing. Coach trip to Coggeshall, nr. Braintree. From Barking, 1.10 p.m.; Ilford Lane, 1.15 p.m.; Ilford Hill, 1.20 p.m.; Stratford Broadway, 1.40 p.m.; Crooked Billet, 1.55 p.m.

Friday, July 14

CROYDON PHARMACISTS' ASSOCIATION AND BRANCH, NATIONAL PHARMACEUTICAL UNION, Greyhound hotel, High Street, Croydon, at 8 p.m. Mr. A. Aldington (a member of the Central N.H.S. (Chemist Contractors') Committee) on "Your N.H.S. Remuneration."

Advance Information

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Norwich, August 30. Annual meetings. Until September 6.

LONDON NURSING EXHIBITION and PROFESSIONAL NURSES' AND MIDWIVES' CONFERENCE, Seymour Hall, London, W.1. October 16-20.

NATIONAL BUSINESS EFFICIENCY EXHIBITION, Olympia, London, W.14. October 3-11.

WORLD TRADE

Pakistani Import Policy.—The Pakistani Government has placed the raw material and spare part requirements of 173 industries on an open general licence to be issued on the basis of applicants' own assessments. The major items added to the open general licensing list include all sorts of chemicals and dyes.

West Germany's Chemical Exports.—West Germany's chemical exports increased by 6 per cent. in the first quarter of 1961 to a value of D.M. 1,600 millions compared with an increase of 24 per cent. in the first quarter of 1960. March exports were about 3 per cent. above those of March 1960. The lower rate in the export increase may be due to the mark revaluation.

Sulphur Production in Poland. — Present production, six months after the setting in motion of the mines and establishments of the Tarnobrzeg sulphur plant in Poland, amounts to 10,000 tons a month. In that half-year, over 30,000 tons of raw material was produced. In the same period, the Piaseczno mine produced about 350,000 tons of sulphur ore and the establishments at Machow, which work the ore, now utilises 75 per cent. of their production capacity. A sulphuric acid factory is being completed in Tarnobrzeg. In June the plant was to produce 5,000 tons of sulphuric acid and, according to the plan, will have produced 50,000 tons by the end of the year.

Citric Acid Plant For Natal. — A £500,000 factory for the production of citric acid is to be erected on the Natal North Coast, near Durban, within the next 12–15 months for a Johannesburg company. The plant, which is to be built by a German firm, is expected to give South Africa about £400,000 a year in foreign exchange. At present citric acid is being imported. The plan is to manufacture it by a new patented process from sugar-cane molasses. So competitive will the manufacturing cost be that the company expect to be able to seek export outlets for a surplus of about 650 tons a year. The maximum output of the plant will be 2,400 tons a year, but the plan is to produce 2,000 tons for the first few years.

A Shorter Transition Period?—A call for the Common Market's transition period to be completed by 1966 is contained in a statement issued by Belgium's Federation of Industries. The effect would be to reduce the transition to eight years from the twelve or fifteen years contemplated in the Rome Treaty. The important thing, the statement says, is to hasten the time when decisions in the Council of Ministers can be taken by majority vote instead of requiring unanimity. The statement points out that other sections of the Treaty should be speeded up simultaneously. The particular action called for includes the suppression of national subsidies and aids to industry apart from those specially authorised and the adoption of "harmonised" rules by the six countries regarding their export tax rebates and their allegedly non-protective "compensatory" import duties.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED
From the "Official Journal (Patents)," June 28

Hydroxyflavones, their production and use as anti-oxidants. National Research Development Corporation. 875,164

Polysulphonamides. Imperial Chemical Industries, Ltd. 875,072.

Succinimides and process for their manufacture. CIBA, Ltd. 875,023.

Process for the preparation of vitamin B_{12}. International Hormones, Inc. 875,400.

Quinoline derivatives. Imperial Chemical Industries, Ltd. 874,980.

Preparation of sulphur halogen compounds. Imperial Chemical Industries, Ltd. 875,209.

Hydrazinium salts. W. R. Grace & Co. 875,007.

Piperazine compounds and methods for their production. Parke, Davis & Co. 875,104.

Antibiotic chalcmycin and method for producing same. Parke, Davis & Co. 875,011.

Protection of food products. Soc. des Usines Chimiques Rhône-Poulenc. 875,352.

Preparation of diaminopimelic acid and an intermediate hydantoin derivative therefor. Du Pont de Nemours & Co., E. I. 875,353.

Polyvinyl chloride and bacteria-repellent properties. Farbenfabriken Bayer, A.G. 875,355.

Manufacture of Grignard reagents. F. Hoffmann-La Roche & Co., A.G. 875,056.

Trifluomethyl substituted phenoxazines. Smith Kline & French Laboratories. 875,348.

Herbicidal compositions. Badische Anilin and Soda Fabrik, A.G. 875,048.

Herbicidal compounds and compositions. Du Pont de Nemours & Co., E. I. 874,928.

Adducts of heterocyclic amides and thioamides with unsaturated compounds. Rohm & Haas Co. 875,135.

Nail polish remover pads. Morse, E. A. 874,933.

British patent specifications are obtainable (price 3s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION
From the "Trade Marks Journal," June 28

For chemical products for use in agriculture, horticulture and forestry (1) *and for insecticides, larvicides, fungicides and preparations for destroying vermin; and weed-killing preparations* (3)

GRAMEX, 803,466-67, by Shell International Petroleum Co., Ltd., London, E.C.3.

For chemical substances for use in photography (1)

THIOLIM, 812,830, by May & Baker, Ltd., Dagenham, Essex.

For toilet waters (3)

EAU DU LUNDI, B799,197, by County Laboratories, Ltd., Brentford, Middlesex.

For all goods (3) *and for pharmaceutical preparations and substances for human and veterinary use* (5)

VRALIN, 812,186-87, by Winthrop Group, Ltd., Surbiton, Surrey.

For all goods (3) *and* (5)

REGULAIRE, 818,493-94, by Racasan, Ltd., Ellesmere Port, Ches.

For cosmetic preparations, not being toilet preparations (3) *and for pharmaceutical preparations for use in the inhibition of sunburn* (5)

SOLADRYL, 815-158, 815,160, by Parke, Davis & Co., At the River, Detroit, 32, Michigan, U.S.A., and Hounslow, Middlesex.

For laundry preparations, all for export except to the Irish Republic (3)

FLUFTEX, B816,190, by Reckitt, Colman, Chiswick (Overseas), Ltd., Hull, Yorks.

For perfumes; toilet preparations (not medicated); cosmetic preparations; dentifrices; depilatory preparations, toilet articles; sachets for use in waving the hair; preparations for dressing and setting the hair; soaps and essential oils (3)

CHANCE MEETING, 818,046, MEETING, 818,051, by Goya, Ltd., London, W.1.

For pharmaceutical, veterinary and sanitary substances; infants' and invalids' foods; medical and surgical plasters; material prepared for bandaging; material for stopping teeth; dental wax; and disinfectants (5)

ATCOCYCLIN, 808,758, by Allied Trading Corporation, Ltd., Karachi, 16, Pakistan.

For preparations to be used as additives to pharmaceutical and veterinary substances and in infants' and invalids' foods (5)

NA-LO, 810,571, by Powell & Scholefield, Ltd., Liverpool, 7.

For pharmaceutical preparations and substances (5)

Deviee with letters DDD, 811,355, by D.D.D. Co., Ltd., Watford, Herts.

For antacids (5)

STETS, 812,184, by Winthrop Group, Ltd., Surbiton, Surrey.

For blankets, overlays and pads, all electrically-heated (10)

Deviee, 817,068, by Blanella, Ltd., Harrogate, Yorks.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

GUANETHIDINE. Further experience with. *Lancet*, July 1.

ERYTHROMYCIN-RESISTANT staphyloeoccus aureus. *Lancet*, July 1.

PYRIDOXINE-RESPONSIVE hypochromic anæmia. *Lancet*, July 1.

STERILISATION. Steam penetration into containers for surgieal dressings. *Lancet*, July 1.

METHICILLIN. *Brit. med. J.*, July 1.

PHENETHICILLIN and BENZYLPENICILLIN in aeute otitis media. *Brit. med. J.*, July 1.

POTASSIUM-40 CONTENT. Estimation of total body fat from. *Science*, June 16.

HAEMOGLOBIN SOLUTIONS. Theory of oxygen transport through. *Science*, June 16.

CALABASH CURARE. Alkaloids of, the structure of maeusine-A. *Science*, June. 16.

THE PLACEBO EFFECT in psychiatric drug research. *J. Amer. med. Ass.*, June 17.

INFRA-RED SPECTROPHOTOMETRY. Application of, to pharmaceutical analysis. *J. pharm. Sciences*, June.

ASSAY OF D.GITALIS. Single-injection method, in pigeons. *J. pharm. Sciences*, June.

ANTISEBORRHŒIC DERMATITIS PREPARATIONS. Comparative laboratory evaluation of. *J. pharm. Sciences*, June.

CARDIOTONIC STEROIDS. Speetrofluorometric analysis of. *J. Pharm. Pharmacol.*, July.

GLYCYRRHETINIC ACID AND ITS DERIVATIVES. The antitussive activity of. *J. Pharm. Pharmacol.*, July.

PISATIN: an antifungal substance from *Pisum sativum* L. *Nature*, July 1.

PRODIGIOSIN in an actinomyeete, *Nature*, July 1.

BRADYKININ. Effect of, on uterine activity, *Nature*, July 1.

PHOLCODINE. The pharmaeology of. *Bull. Narcot.*, April-June.

WILLS

MR. F. A. BATES, M.P.S., 24 Grazingfield, Wilford, Nottingham (past-chairman and treasurer of the Nottingham Pharmaeutical Society), left £5,439 (£5,384 net).

MR. E. A. CRAVIN, M.P.S., 139 Sussex Road, Southport, Lancs, left £12,714 (£12,623 net).

MR. R. P. CRECRAFT, M.P.S., 7 Patrick Road, West Bridgford, Notts, left £2,540 (£2,478 net).

MR. H. JORY, M.P.S., Higher Anderton House, Millbrook, Cornwall (former chairman of the executive of the Cornish Pharmaceutical Committee), left £11,860 (£10,370 net).

MR. L. H. KNIGHT, M.P.S., 35 Foxley Lane, Purley, Surrey, left £24,769 (£24,611 net).

MR. P. H. HARBORD, M.P.S., Pen y Bodran, Llanfair Tal Hairan, Abergele, North Wales, left £11,856 (£11,747 net).

MR. J. S. HART, M.P.S., 3 Grasmere Road, Moreeambe, Lancs, left £7,411 (£7,329 net).

SIR JOSEPH STANLEY HOLMES, FIRST BARON DOVERCOURT OF HARWICH, 15 Grosvenor Square, London, W.1 (former chairman of Beecham Group, Ltd.), left £660,583 (£606,449 net).

MR. H. J. MARTIN, M.P.S., 54 Bargates, Christchurch, Hants, left £11,866 (£11,777 net).

MR. D. J. MACKENZIE, M.P.S., 2 Cotham Lawn Road, Bristol, 6, Glos, left £1,250 (£1,190 net).



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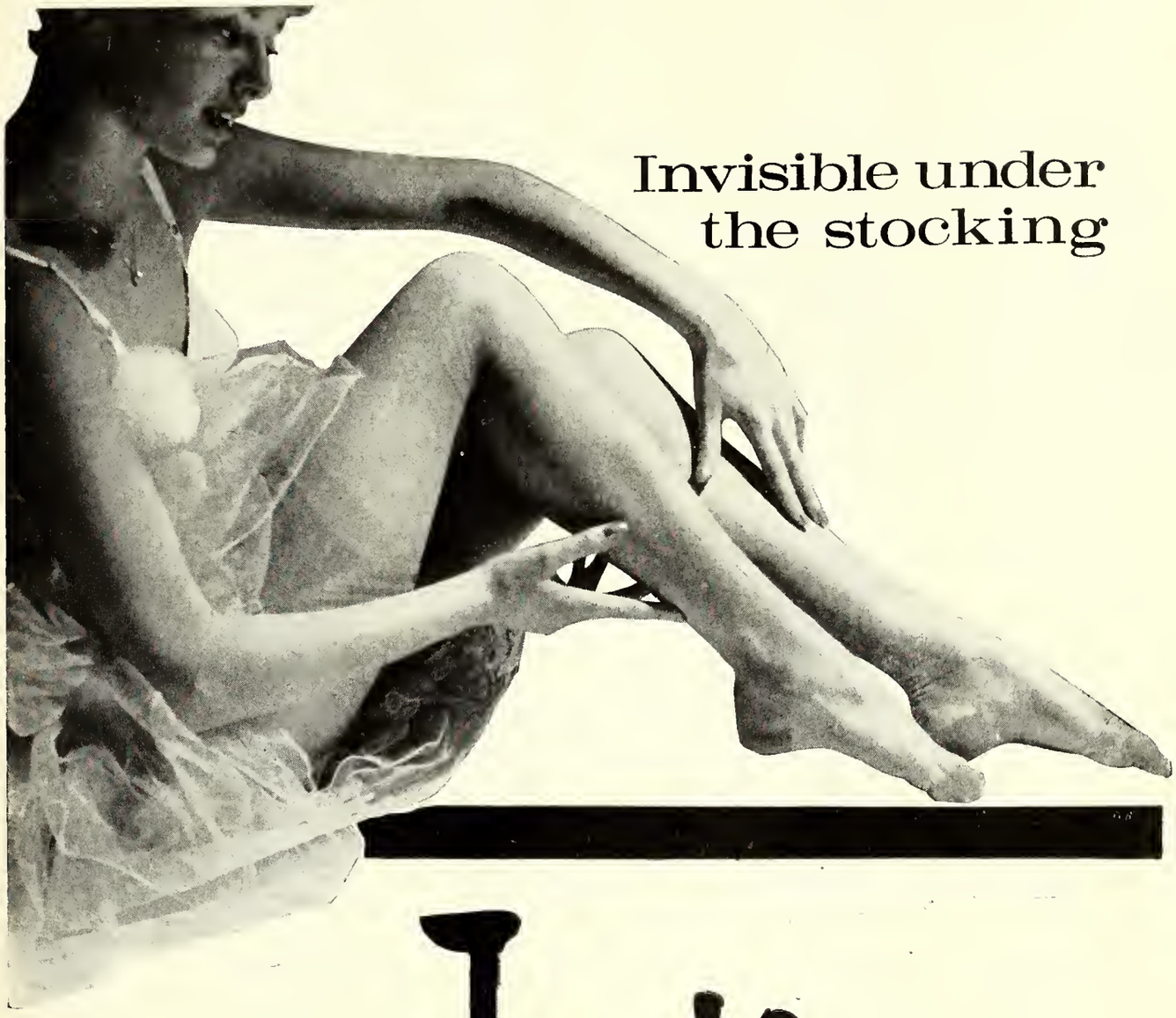
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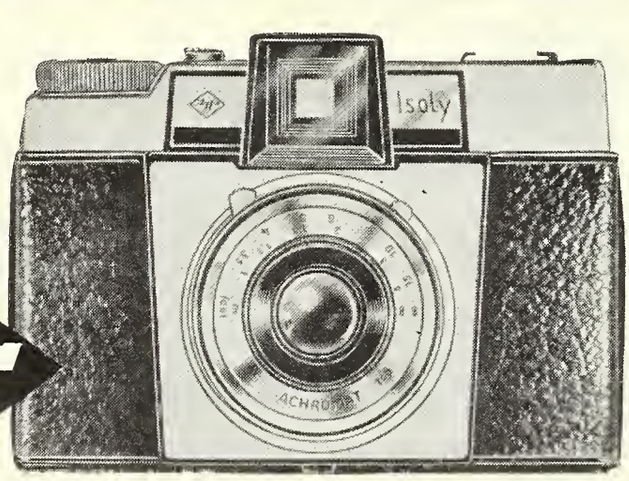
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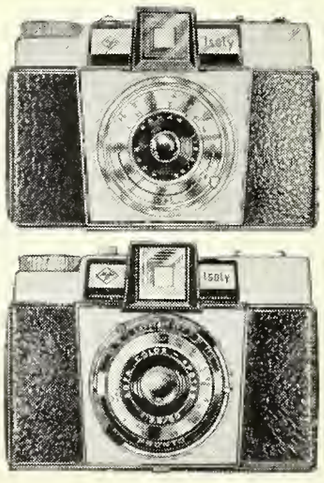
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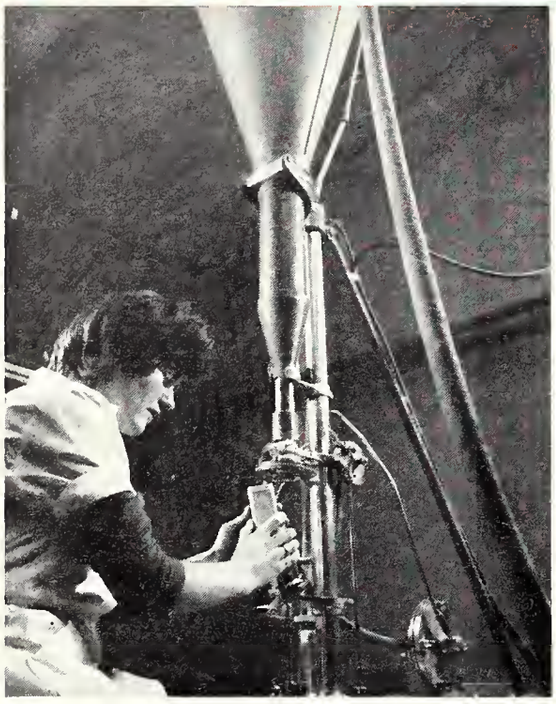
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means BIG output at LOW cost

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7 out of 10 of your married customers believe family planning to be essential

yet few are fully aware of the facts, according to a recent survey

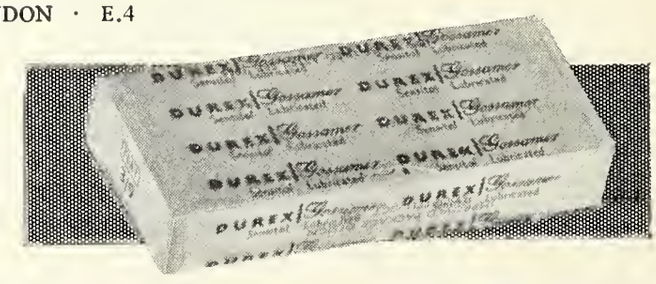
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SEASIDE PHARMACY tourist and family business. North Eire, with or without residence. Lease at low rent. Owner Retiring. Box C 3775.

APPOINTMENTS

ADMIRALTY PHARMACISTS
Pharmacists

Applications are invited for posts as Pharmacists at the Royal Naval Medical Store Depot, Greenock, and at the Royal Naval Hospital, Haslar, Gosport, Hants. Salary scale £690 x £30—£780 x £35—£920. Previous professional experience will be taken in the consideration when assessing commencing salary. These posts are superannunable under the National Health Superannuation Scheme. Apply to, or call at: Medical Department, Admiralty, Queen Anne's Mansions, St. James' Park, London, S.W.1, before August 31, 1961. C 6690

ANCOATS HOSPITAL, MANCHESTER, 4
Pharmacist

Applications are invited for the post of Pharmacist at Ancoats Hospital.
Salary and conditions of service in accordance with Whitley Council scales.
Applications, stating age, experience and names of two referees, should be sent to the General Superintendent (Dept. C.D.), as soon as possible. C 6682

BURTON-ON-TRENT HOSPITAL MANAGEMENT COMMITTEE, THE GENERAL HOSPITAL, BURTON-ON-TRENT
Senior Pharmacist or Pharmacist

Applications are invited for the above post in this acute General Hospital, which provides a Group Pharmaceutical Service. Newly qualified persons may apply. Single flatlets available. Salary in accordance with Whitley Council scales.
Applications, stating age, qualifications and experience and the names and addresses of two referees, to:

S. D. EVANS,
Group Secretary.
C 6709

BRISTOL-SOUTHMEAD GENERAL HOSPITAL GROUP MANAGEMENT COMMITTEE
Appointment of Deputy Chief Pharmacist

Applications are invited from suitably qualified persons (higher qualification preferred) for the appointment of Deputy Chief Pharmacist at Southmead Hospital.
Salary scale £895—£1,200 per annum plus higher qualification allowance (Whitley Council conditions).
The Chief Pharmacist at Southmead Hospital is responsible for the Syringe Service at that hospital, and also the pharmaceutical services for other hospitals and clinics in the Group. Southmead Hospital is the Obstetric School of the University of Bristol and is associated with the University Department of Child Health and Paediatrics.
Applications on forms to be obtained from the undersigned must be submitted not later than the 21st July 1961.

C. C. HANCOCK,
Group Secretary.

Southmead Hospital,
Bristol. C 6699

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE
Senior Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale £770—£1,010 p.a. plus higher qualification allowance and London Weighting. Please apply to the Group Secretary, 213 Kingsland Road, London, E.2. C 553

CHARING CROSS GROUP OF HOSPITALS, FULHAM HOSPITAL, ST. DUNSTAN'S ROAD, HAMMERSMITH, W.6
Part-time Pharmacist

required for 1 or 2 afternoon sessions a week. Applications to the secretary. C 6701

COUNTY HOSPITAL, GRIFFITHSTOWN, MON.
Dispenser

(Apothecaries' Hall) required. Salary, 18 £300, 19 £335, 20 £370, 21 £410. 22 or over commence at £475 rising to £625. Write stating age, experience and two referees to Group Secretary, 64 Cardiff Road, Newport. C 6695

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Locum Pharmacist

required at the above hospital. Salary £18 18s. per week. Applications in writing to be sent to the Chief Pharmacist. C 6686

HERTFORD COUNTY HOSPITAL, HERTFORD
(21 miles from London)
Locum Chief Pharmacist

required for holiday relief in August. Salary £23 12s. per week. Hospital easily accessible from London. Residence available if necessary. Apply as soon as possible giving details of availability, age, qualifications and experience, to Hospital Secretary. C 6693

HEATHERWOOD HOSPITAL, ASCOT
Locum Pharmacist

required for two weeks commencing 14th August. Apply Secretary, Ascot 2041. C 6679

HERTFORD COUNTY HOSPITAL, HERTFORD
(21 miles from London)
Junior or Senior Pharmacist

Applications are invited for the above post. Duties under the direction of Chief Pharmacist, Department responsible for purchase and issue of drugs, dressings, surgical instruments, etc., for the above and two other hospitals. Applications giving details of age, qualifications and experience, with names of two referees to Hospital Secretary, Hertford County Hospital, Hertford, Herts. C 6694

KING EDWARD VII HOSPITAL, WINDSOR
Assistant-in-Dispensing

required. Applications with details of service to Secretary. C 6688

MOORFIELDS EYE HOSPITAL, CITY ROAD, LONDON, E.C.1
Assistant-in-Dispensing

required for duty at High Holborn Branch, London, W.C.1. Salary in accordance with Whitley Council Scale (£260 p.a. at age 18 rising to £605 p.a. inclusive of London Weighting plus £50 p.a. qualification allowance). Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 6696

NORTH STAFFORDSHIRE ROYAL INFIRMARY, STOKE-ON-TRENT
Senior Pharmacist

(M.P.S.) required. Salary scale £770 x £30 (1) x £35 (6) to £1,010 p.a.
Detailed applications, with names of two referees, to Hospital Secretary. C 6680

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Appointments—Continued

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL MEDICAL UNIT, MILL LANE, WALLASEY, CHESHIRE
Pharmacist
Applications are invited for the above appointment. Salary £690 x £30 (3)—£780 x £35 (4)—£920 per annum.
Conditions of Service in acccordance with Circular PH26 of the Whitley Council.
Applications with names and addresses of two referees to Hospital Secretary. C 6570

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Pharmacist
required at the above hospital. New department to be opened shortly. Whitley Council salary scale and conditions of service. Applications in writing stating age, qualifications, experience and details of previous employment, together with the names of two referees, to be sent to the Chief Pharmacist. C 6687

ROYAL FREE HOSPITAL, GRAY'S INN ROAD, W.C.1
Pharmacist
Applications are invited for the post of Pharmacist at this Hospital. Salary in accordance with the Whitley Council Scale with extra pay for evening clinics. Applications, with names of two referees, should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 6705

SALFORD HOSPITAL MANAGEMENT COMMITTEE, SALFORD ROYAL HOSPITAL
Senior Pharmacist
Applications are invited for the above post. Post vacant 17th July. Salary £770 to £1,010 plus £25 per year higher qualification allowance. Whitley Council conditions of service.
Applications, stating age, qualifications and experience, together with the names and addresses of two referees to the Secretary, Salford Royal Hospital, Chapel Street, Salford, 3. C 6659

SPRINGFIELD HOSPITAL, LONDON, S.W.17
Senior Pharmacist
required, permanent appointment. Salary £770—£1,010 per annum plus London Weighting. Applications to Group Secretary, Springfield Hospital, Beechcroft Road, London, S.W.17, giving age, qualifications, details of experience and the names of two referees. C 567

ST. ALBANS CITY HOSPITAL (394 beds), NORMANDY ROAD, ST. ALBANS, HERTS
Pharmacist
A vacancy will occur in September for a Pharmacist at this general Hospital within easy reach of Central London. Opportunity for promotion. Might suit recently qualified candidate. Whitley Council salary and conditions. Detailed applications to Hospital Secretary. C 566

SPRINGFIELD HOSPITAL, LONDON, S.W.17
Locum Chief Pharmacist
Category 3 required, 31st July—12th August inclusive. £23 12s. 6d. per week. Applications to the Group Secretary, Springfield Hospital, Beechcroft Road, Upper Tooting, S.W.17, giving details of experience, qualifications, etc. C 6678

SOUTHEND-ON-SEA HOSPITAL MANAGEMENT COMMITTEE
Post-graduate Student
required in the Pharmacies of the Hospitals in the Southend-on-Sea Group. Salary £460 per annum. The Hospitals are situated in pleasant surroundings and the post offers excellent opportunities for experience in all branches of pharmaceutical work including dispensing for in-patients and for patients from a busy Consultative Out-patients' Department, manufacturing, sterilising, dressings and instruments. Students who contemplate sitting the Final exam this year will be considered for appointment in September. Applications, stating age, particulars of education, etc., with the names of two referees, should be sent to the Secretary, General Hospital, Southend-on-Sea, as soon as possible. C 6672

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We have **A dynamic development policy**
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He (or she) should

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We are prepared to discuss salary. We have the usual staff benefits; working conditions are excellent.

Write, in complete confidence, to

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Surbiton-on-Thames, Surrey

C 6702

THE CROOKES LABORATORIES LTD.

require representatives for the following territories:—

(1) South London
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A pharmaceutical qualification or adequate technical background is essential. The appointments are superannuated and well remunerated with progressive salary, adequate expense allowance and commission directly associated with territorial results. Promotion is possible either in the U.K. or to overseas positions. Only candidates with keen desire to progress should apply in writing with full details regarding age and past experience, with recent photograph if possible, to

the Sales Director
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Gorst Road, Park Royal, London, N.W.10

C6703

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Opportunities are offered to outstanding young men with drive and initiative wishing to start as medical representatives. A pharmaceutical qualification/experience or equivalent academic attainment essential. Vacancies occur in:—

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2. **North Wales, Cheshire (part), Shropshire**
3. **Staffordshire**
4. **South Yorks/North Derby**

Applications from other parts of the U.K. will be considered where there are possibilities of arranging a suitable territory.

Good salary, exceptional pension scheme, full expenses; successful applicants are assisted to own their own cars. First-class candidates desiring success and security should apply with full details to the Secretary, Roche Products Limited, 15 Manchester Square, London, W.1. Applications will be treated as confidential.

C 6706

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Appointments—Continued

ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1
Post-graduate Teaching Hospital
Locum Pharmacist
required for several weeks from July 10. Salary 18 gns. per week. Further details obtainable from Chief Pharmacist. C 6685

ST. NICHOLAS HOSPITAL, TEWSON ROAD, PLUMSTEAD, S.E.18
Locum Pharmacist
required for long or short periods from July 25 at above hospital. Salary £18 18s. per week. Apply to Chief Pharmacist (Tel.: WOOlwich 2455). C 6704

ST. MARY'S HOSPITAL CHILDREN'S DEPARTMENT, PRINCESS LOUISE KENSINGTON HOSPITAL FOR CHILDREN, ST. QUINTIN AVENUE, LONDON, W.10
Pharmacist
Applications are invited for the above post. Salary £690 rising to £920 per annum. Plus London Weighting. Apply to the Secretary with full details, stating names and addresses of two referees. C 6710

FISONS OVERSEAS LIMITED
seek to engage an
Overseas Medical Representative
The successful applicant, who will be based in London, must be prepared to travel to any part of the world for long or short periods. Fluent French, which will be tested, is an essential requirement. Adequate training will be given in the pharmaceutical products of the firm and previous experience in this field, although an advantage, is not essential.
This position will appeal to ambitious young men and presents an excellent opportunity to join an organisation determined to become a major factor in pharmaceuticals throughout the world.
Applicants should write, in confidence, to the
Personnel Officer,
Fisons Overseas Limited, 95 Wigmore Street, London, W.1.
C 6698

SITUATIONS VACANT
RETAIL (HOME)

GRAYS. Pharmacist required as Assistant in busy dispensing business. Full- or part-time. Good supporting staff. Rota one in five. Half-day Wednesday, also one Saturday afternoon in five off. Apply Jordan Brothers (Grays), Ltd., 50 High Street, Grays. C 3771

HERTS AND BEDS. Pharmacist wanted for locum duties by private firm with seventeen branches in Herts and Beds. Interview arranged on any day to suit applicant when full details can be discusssed. Expenses paid. E. E. Russell (Chemists), Ltd., 42 Whitehorse Street, Baldock, Herts. C 3747

BUYER/MANAGER required for pharmaceutical department in large departmental store. Must be M.P.S. Good basic salary paid and half-yearly bonus arrangements. Other concessions include special shopping facilities and the equivalent of four weeks' paid holiday per annum. Applications in the first instance, in writing, to the General Manager, William Whiteley Limited, Queensway, London, W.2. C 3772

HITCHIN, HERTS. Experienced unqualified assistant wanted, chiefly for dispensing. Permanent post in busy market town. Pension and life assurance. Full details at interview for which expenses paid. E. E. Russell (Chemists), Ltd., 42 Whitehorse Street, Baldock, Herts. C 3746

KIDDERMINSTER CO-OPERATIVE CHEMISTS LIMITED require a manager, male or female, for a branch pharmacy in Kidderminster. Salary approx. £1,150. A nice house with garage, in a residential area, is available at a reasonable rent. Existing holiday arrangements honoured. The position is permanent and pensionable. Applications to the Superintendent Chemist, Kidderminster Co-operative Chemists Ltd., Worcester Street, Kidderminster, Worcs, by the 12th July, 1961. C 3760

LADY ASSISTANT REQUIRED, able to do dispensing, for recently refitted pharmacy. Good working conditions, superannuation scheme, holiday arrangements honoured. Applicant should be a capable dispenser and able to work with other staff. Please give full particulars of age, experience, etc., to Manager, Arnold M. Gee Ltd., 204 Merton Road, Wandsworth, S.W.18. C 3776

LONDON, S.W. Unqualified male assistant required as first counter hand for large modern pharmacy. Good salesman, willing to help other staff and knowledge of modern window dressing. Undeniable references, superannuation scheme, no living accommodation. Please give full details of age, previous experience, salary required, to Manager, Arnold M. Gee Ltd., 310 Clapham Road, London, S.W.9. C 3777

UXBRIDGE. Urgently required, senior assistant with all-round experience of good-class pharmacy, mainly counter duties and relief dispensing. Holiday granted. Apply in the fullest particulars to: R. A. Sharp Chemists Limited, 172 High Street, Uxbridge. C 3630

Situations Vacant—Continued

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Assistant Sales Manager

FOR INTERNATIONAL COSMETIC HOUSE

Sound knowledge of Sales Administration as well as practical sales experience is essential. Applications only required from men of enthusiasm having the necessary experience in sales management. Age under 40. Write giving full details of past experience, age, and salary required, to Box C 6708. All replies treated in the strictest confidence.

MIDLAND MANUFACTURING and wholesale chemists have vacancy for a lady or gentleman, preferably with pharmaceutical experience, to work in ethical department on the assembly of orders. Interesting work in pleasant surroundings. Free canteen. Existing holiday arrangements honoured. Applications to warehouse manager. Box C 3766.

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THE BRITISH DRUG HOUSES LTD. require clerks for Telephone Order and Pricing work. Experience in the Retail and Wholesale Chemist trade is preferable but suitable applicants will be accepted for training.

Good progressive salary. Five-day week, Canteen, Sports Club, Pension and Profit Sharing Schemes.

Applications should state age, experience and present salary and be addressed to the

Office Staff Manager,
Graham Street, City Road, N.1.

C 6700

PROCESS WORKER required for an old-established hairdressers' cosmetics manufacturing in N.W. London. Must have experience in the cosmetic or chemical industry. Apply with fullest details of past experience to Nagele's, Ltd., Edgware Road, Colindale, or phone Mr. Pett, COLindale 0111 for an appointment. C 3754

REPRESENTATIVE—EIRE.

Either pharmacist or fully experienced chemists' representative wanted to develop sales throughout the greater part of Eire amongst retail pharmacists. First-class potential for excellent range of Medicinal counter specialities. There is very considerable scope for a person with a lively personality, and the right background, who will be responsible to the Managing Director of this medium-sized family company. Good earnings, car provided, pension scheme and usual out of pocket expenses. Send brief details of background to:

The Managing Director, Cupal, Ltd.,
Pharmaceutical Laboratories,
Blackburn, England.

C 6697

AGENTS WANTED

FIRST-CLASS AGENTS required in important areas for a well-known cosmetic company. Send full details to Box C 6633.

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a member of the Fison Group of Companies, wish to recruit

EXPERIENCED MEN

of high calibre for appointments in their

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Applications are invited from men between the ages of 25 and 40 who have a pharmaceutical qualification or basic experience in medical auxiliary work.

High personal qualities in appearance, self-confidence, intelligence and the will to succeed are the primary considerations.

A comprehensive training will be given, after which the representative will be responsible, under guidance, for the development of sales to doctors and chemists in the following areas:

1. **Yorkshire/Lancashire**
2. **South Midlands**
3. **Relief Representative, based on the Midlands**
4. **Relief Representative, based on London**

The Relief Representatives should be fully mobile. Their appointment, however, is on full establishment and they will be given the offer of the first available permanent territory.

The salary is attractive and progressive according to age and experience, plus car, commission, bonuses, expenses and general pension scheme benefits.

The appointments to be filled represent first-class opportunities to join a progressive British group which rates as one of the finest employers in this industry.

Please write fully, in confidence, stating area preference, and quoting references to:

Medical Sales Manager,
Genatosan Limited, 12 Derby Road, Loughborough, Leics.

C 6691

SITUATIONS WANTED

RETAIL (HOME)

EXPERIENCED DISPENSING ASSISTANT (male) residing London area. Available for responsible position. All areas considered and acknowledged. Hours and salary by agreement at interview. Recommended. Box C 3729.

LADY, sound knowledge of dispensing and counter, seeks congenial post in London or surrounding area. £14 weekly. C 3779

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C 438

URGENTLY required for cash, chemists' surplus stocks, bulk or part, particularly toilets, cosmetics, sundries, discontinued manufacturers' lines welcomed. Films, photographic equipment, sunglassses, binoculars, electric razors. Christmas coffrets and fancy goods, etc. Write immediately to Reginald Loftus, 263 Portswood Road, Southampton. Tel.: 54757. C 521

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C140

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B. NORMAN & SON, 2/5 Little Britain, London, E.C.1 (close to G.P.O.), will Auction on Wednesday, July 12, at 1.30 p.m., practically new Light Oak Shop Equipment including Drug Runs, Wall Showcases, plate-glass counters, nests of drawers, cosmetic counter, nests of shelving mirrors, cash tills, office furniture, safes, typewriters, etc. View day prior and day of Sale. Catalogues available. MON. 8501/2. C 6689

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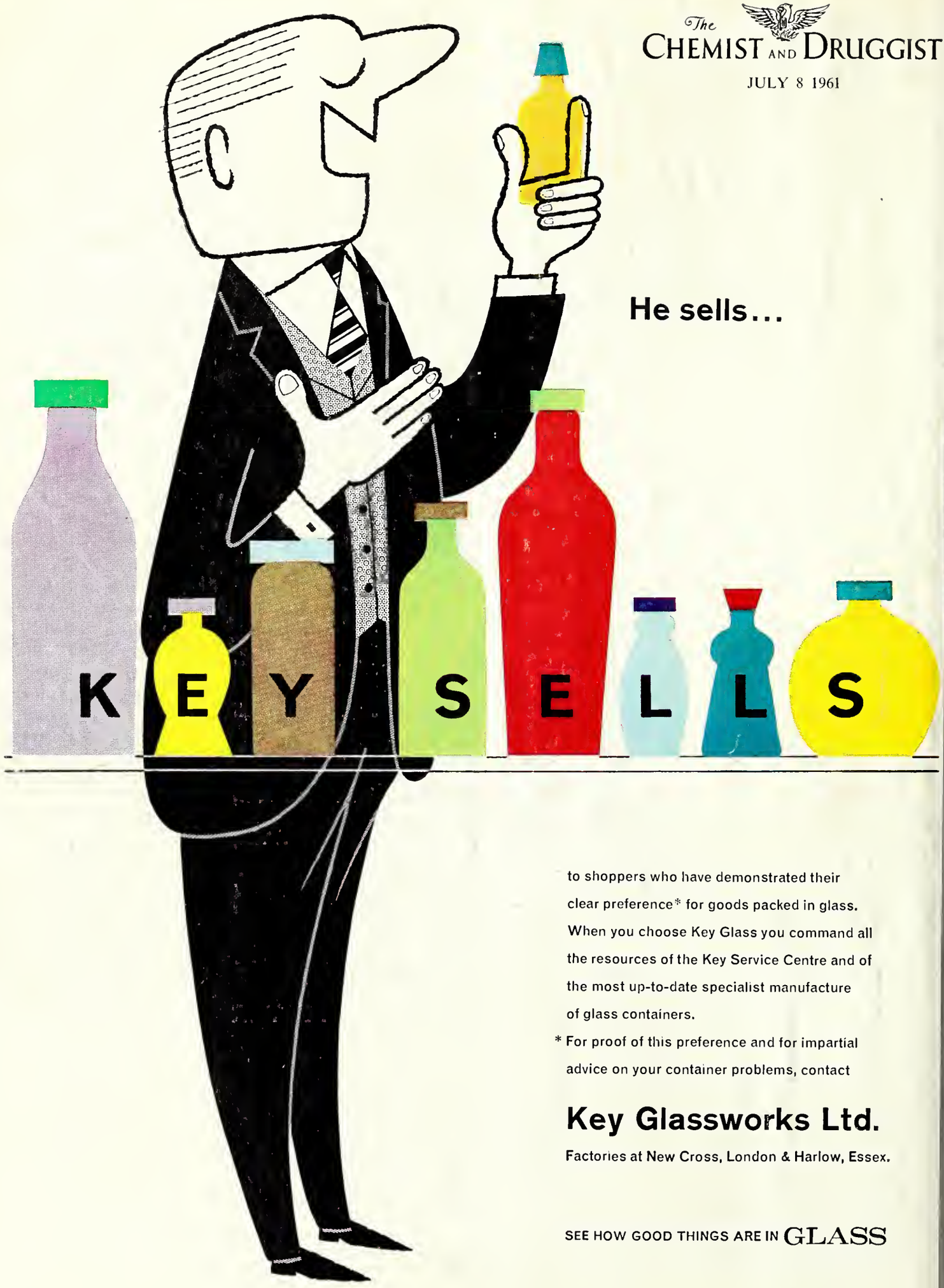
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